the Sequence Listing. The nearest neighbor results for SEO ID NO: 328-1413 are shown in Table 2 below

Using eMatrix software package (Stanford University, Stanford, CA) (Wu et al., J. Comp. Biol., Vol. 6 pp. 219-235 (1999) herein incorporated by reference), all the sequences were 5 examined to determine whether they had identifiable signature regions. Table 3 shows the signature region found in the indicated polypeptide sequences, the description of the signature. the eMatrix p-value(s) and the position(s) of the signature within the polypeptide sequence.

Using the pFam software program (Sonnhammer et al., Nucleic Acids Res., Vol. 26(1) pp. 320-322 (1998) herein incorporated by reference) all the polypeptide sequences were 10 examined for domains with homology to certain peptide domains. Table 4 shows the name of the domain found, the description, the p-value and the pFam score for the identified domain within the sequence.

The nucleotide sequence within the sequences that codes for signal peptide sequences and their cleavage sites can be determine from using Neural Network SignalP V1.1 program (from 15 Center for Biological Sequence Analysis, The Technical University of Denmark). The process for identifying prokaryotic and eukaryotic signal peptides and their cleavage sites are also disclosed by Henrik Nielson, Jacob Engelbrecht, Soren Brunak, and Gunnar von Heijne in the publication "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites" Protein Engineering, Vol. 10, no. 1, pp. 1-6 (1997), incorporated herein by reference. A maximum S score and a mean S score, as described in the Nielson et as reference, was obtained for the polypeptide sequences. Table 5 shows the position of the signal peptide in each of the polypeptides and the maximum score and mean score associated with that signal peptide.

25 5.3.2 EXAMPLE 5

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Novel Nucleic Acids

Using PHRAP (Univ. of Washington) or CAP4 (Paracel), a full length gene cDNA sequence and its corresponding protein sequence were generated from the assemblage. Any frame shifts and incorrect stop codons were corrected by hand editing. During editing, the sequence was checked using FASTY and/or BLAST against Genbank (i.e., dbEST version 117, gb pri 117, UniGene version 117, Genpept release 117). Other computer programs which may have been used in the editing process were phredPhrap and Consed (University of Washington) and ed-ready, edext and gc-zip-2 (Hyseq, Inc.). The full-length nucleotide sequences, including splice variants resulting from these procedures are shown in the Sequence Listing as SEQ ID NOS: 1414-1652.

Table 1 shows the various tissue sources of SEO ID NO: 1414-1652.

version 2.0al 19MP-WashU search against Genpept release 118, using BLAST algorithm. The nearest neighbor result showed the closest homologue for SEQ ID NO: 1414-1652 from Genpept. The translated amino acid sequences for which the nucleic acid sequence encodes are shown in the Sequence Lighting. The pagent neighbor results for SEQ ID NO: 1414-1652 are

The nearest neighbor results for SEQ ID NO: 1414-1652 were obtained by a BLASTP

shown in the Sequence Listing. The nearest neighbor results for SEQ ID NO: 1414-1652 are shown in Table 2 below.

Using eMatrix software package (Stanford University, Stanford, CA) (Wu et al., J. Comp. Biol., Vol. 6 pp. 219-235 (1999) herein incorporated by reference), all the sequences were examined to determine whether they had identifiable signature regions. Table 3 shows the signature region found in the indicated polypeptide sequences, the description of the signature, the eMatrix p-value(s) and the position(s) of the signature within the polypeptide sequence.

Using the pFam software program (Sonnhammer et al., Nucleic Acids Res., Vol. 26(1) pp. 320-322 (1998) herein incorporated by reference) all the polypeptide sequences were examined for domains with homology to certain peptide domains. Table 4 shows the name of the domain found, the description, the p-value and the pFam score for the identified domain within the sequence.

The nucleotide sequence within the sequences that codes for signal peptide sequences and their cleavage sites can be determine from using Neural Network SignalP V1.1 program (from 20 Center for Biological Sequence Analysis, The Technical University of Denmark). The process for identifying prokaryotic and eukaryotic signal peptides and their cleavage sites are also disclosed by Henrik Nielson, Jacob Engelbrecht, Soren Brunak, and Gunnar von Heijne in the publication "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites" Protein Engineering, Vol. 10, no. 1, pp. 1-6 (1997), incorporated herein by reference. A maximum S score and a mean S score, as described in the Nielson et as reference, was obtained for the polypeptide sequences. Table 5 shows the position of the signal peptide in each of the polypeptides and the maximum score and mean score associated with that signal peptide.

5.4.2 EXAMPLE 6

Novel Nucleic Acids

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Using PHRAP (Univ. of Washington) or CAP4 (Paracel), a full length gene cDNA sequence and its corresponding protein sequence were generated from the assemblage. Any frame shifts and incorrect stop codons were corrected by hand editing. During editing, the sequence was checked using FASTY and/or BLAST against Genbank (i.e., dbEST version 118, gb pri 118.

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UniGene version 118, Genpept release 118). Other computer programs which may have been used in the editing process were phredPhrap and Consed (University of Washington) and ed-ready, edext and gc-zip-2 (Hyseq, Inc.). The full-length nucleotide sequences, including splice variants resulting from these procedures are shown in the Sequence Listing as SEQ ID NOS: 1653-1745.

Table 1 shows the various tissue sources of SEQ ID NO: 1653-1745.

The homology for SEQ ID NO: 1653-1745 were obtained by a BLASTP version 2.0al 19MP-WashU search against Genpept release 118, using BLAST algorithm. The results showed homologues for SEQ ID NO: 1653-1745 from Genpept. The translated amino acid sequences for which the nucleic acid sequence encodes are shown in the Sequence Listing. The homologues with identifiable functions for SEQ ID NO: 1653-1745 are shown in Table 2 below.

Using eMatrix software package (Stanford University, Stanford, CA) (Wu et al., J. Comp. Biol., Vol. 6 pp. 219-235 (1999) herein incorporated by reference), all the sequences were examined to determine whether they had identifiable signature regions. Table 3 shows the signature region found in the indicated polypeptide sequences, the description of the signature, the eMatrix p-value(s) and the position(s) of the signature within the polypeptide sequence.

Using the pFam software program (Sonnhammer et al., Nucleic Acids Res., Vol. 26(1) pp. 320-322 (1998) herein incorporated by reference) all the polypeptide sequences were examined for domains with homology to certain peptide domains. Table 4 shows the name of the domain found, the description, the p-value and the pFam score for the identified domain within the sequence.

The nucleotide sequence within the sequences that codes for signal peptide sequences and their cleavage sites can be determine from using Neural Network SignalP V1.1 program (from Center for Biological Sequence Analysis, The Technical University of Demmark). The process for identifying prokaryotic and eukaryotic signal peptides and their cleavage sites are also disclosed by Henrik Nielson, Jacob Engelbrecht, Soren Brunak, and Gunnar von Heijne in the publication "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites" Protein Engineering, Vol. 10, no. 1, pp. 1-6 (1997), incorporated herein by reference. A maximum S score and a mean S score, as described in the Nielson et as reference, was obtained for the polypeptide sequences. Table 5 shows the position of the signal peptide in each of the polypeptides and the maximum score and mean score associated with that signal peptide.

5.5.2 EXAMPLE 7
Novel Nucleic Acids

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Using PHRAP (Univ. of Washington) or CAP4 (Paracel), a full length gene cDNA sequence and its corresponding protein sequence were generated from the assemblage. Any frame shifts and incorrect stop codons were corrected by hand editing. During editing, the sequence was checked using FASTY and/or BLAST against Genbank (i.e., dbEST version 119, gb pri 119,

UniGene version 119, Genpept release 119). Other computer programs which may have been used in the editing process were phredPhrap and Consed (University of Washington) and ed-ready, edext and ge-zip-2 (Hyseq, Inc.). The full-length nucleotide, including splice variants resulting from these procedures are shown in the Sequence Listing as SEQ ID NOS: 1746-1768.

Table 1 shows the various tissue sources of SEQ ID NO: 1746-1768.

The homology for SEQ ID NO: 1746-1768 were obtained by a BLASTP version 2.0al 19MP-WashU search against Genpept release 119, using BLAST algorithm. The results showed homologues for SEQ ID NO: 1746-1768 from Genpept. The translated amino acid sequences for which the nucleic acid sequence encodes are shown in the Sequence Listing. The homologues with identifiable functions for SEQ ID NO: 1746-1768 are shown in Table 2 below.

Using eMatrix software package (Stanford University, Stanford, CA) (Wu et al., J. Comp. Biol., Vol. 6 pp. 219-235 (1999) herein incorporated by reference), all the sequences were examined to determine whether they had identifiable signature regions. Table 3 shows the signature region found in the indicated polypeptide sequences, the description of the signature, the eMatrix p-value(s) and the position(s) of the signature within the polypeptide sequence.

Using the PFam software program (Sonnhammer et al., Nucleic Acids Res., Vol. 26(1) pp. 320-322 (1998) herein incorporated by reference) all the polypeptide sequences were examined for domains with homology to certain peptide domains. Table 4 shows the name of the domain found, the description, the p-value and the PFam score for the identified domain within the sequence.

The nucleotide sequence within the sequences that codes for signal peptide sequences and their cleavage sites can be determine from using Neural Network SignalP VI.1 program (from Center for Biological Sequence Analysis, The Technical University of Denmark). The process for identifying prokaryotic and eukaryotic signal peptides and their cleavage sites are also disclosed by Henrik Nielson, Jacob Engelbrecht, Soren Brunak, and Gunnar von Heijne in the publication "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites" Protein Engineering, Vol. 10, no. 1, pp. 1-6 (1997), incorporated herein by reference. A maximum S score and a mean S score, as described in the Nielson et as reference, was obtained for the polypeptide sequences. Table 5 shows the position of the signal peptide in each of the polypeptides and the maximum score and mean score associated with that signal peptide.

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5.6.2 EXAMPLE 8

Novel Nucleic Acids

Using PHRAP (Univ. of Washington) or CAP4 (Paracel), a full length gene cDNA sequence and its corresponding protein sequence were generated from the assemblage. Any frame shifts and incorrect stop codons were corrected by hand editing. During editing, the sequence was checked using FASTY and/or BLAST against. Genbauk (i.e., dbEST version 120, gb pri 120, UniGene version 120, Genpept release 120). Other computer programs which may have been used in the editing process were phredPhrap and Consed (University of Washington) and ed-ready, edext and ge-zip-2 (Hyseq, Inc.). The translated amino acid sequences for which the nucleic acid sequence encodes are shown in the Sequence Listing. The full-length nucleotide, including splice variants resulting from these procedures are shown in the Sequence Listing as SEQ ID NOS: 1769-1786.

Table 1 shows the various tissue sources of SEQ ID NO: 1769-1786.

The homology for SEQ ID NO: 1769-1786 were obtained by a BLASTP version 2.0al

19MP-WashU search against Genpept release 120 and the amino acid version of Geneseq
released on October 26, 2000, using BLAST algorithm. The results showed homologues for
SEQ ID NO: 1769-1786 from Genpept. The homologues with identifiable functions for SEQ ID
NO: 1769-1786 are shown in Table 2 below.

Using eMatrix software package (Stanford University, Stanford, CA) (Wu et al., J. Comp. Biol., Vol. 6 pp. 219-235 (1999) herein incorporated by reference), all the sequences were examined to determine whether they had identifiable signature regions. Table 3 shows the signature region found in the indicated polypeptide sequences, the description of the signature, the eMatrix p-value(s) and the position(s) of the signature within the polypeptide sequence.

Using the pFam software program (Sonnhammer et al., Nucleic Acids Res., Vol. 26(1) pp. 320-322 (1998) herein incorporated by reference) all the polypeptide sequences were examined for domains with homology to certain peptide domains. Table 4 shows the name of the domain found, the description, the p-value and the pFam score for the identified domain within the sequence.

The nucleotide sequence within the sequences that codes for signal peptide sequences and their cleavage sites can be determine from using Neural Network Signall V1.1 program (from Center for Biological Sequence Analysis, The Technical University of Denmark). The process for identifying prokaryotic and eukaryotic signal peptides and their cleavage sites are also disclosed by Henrik Nielson, Jacob Engelbrecht, Soren Brunak, and Gunnar von Heijne in the publication "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites" Protein Engineering, Vol. 10, no. 1, pp. 1-6 (1997), incorporated herein by

reference. A maximum S score and a mean S score, as described in the Nielson et as reference, was obtained for the polypeptide sequences. Table 5 shows the position of the signal peptide in each of the polypeptides and the maximum score and mean score associated with that signal peptide.

5 Table 6 is a correlation table of all of the sequences and the SEQ ID NOS.

TABLE 1

F MY			
Tissue Origin	RNA Source	Hyseq Library Name	. SEQ ID NOS:
adult brain	GIBCO	AB3001	9 19-21 50-51 65-66 72 78 80 82
	0.200	120001	85 87 107-108 113 116 123 138
j	J		140 150-152 159 169 177 192-193
			202-203 212-214 225-226 235-236
Ĭ		İ	251 258 268-269 272 280-281 295
l .		ļ	298 301 321 326 331-332 334 356-
			357 362 369 379 382-383 416 423
			443 459-460 473 475 477 488 496
ļ	1		500 503 519 526 547 574 582 587
i		1	608-609 613 618 633-634 645-646
(İ	652 657-658 660 669-671 678 687
1			695 697 710 715 724 731 775-777
			796 804 811 857-859 862 869 899-
		i	900 912 919 922 924-929 933 936
		1	962 979 988-989 996 1001 1004-
1			1008 1018 1039 1047 1059 1064
i '			1067 1070 1078 1082 1107 1113
1			1116-1117 1131 1134-1137 1140
			1149 1151 1157 1180 1206 1229
			1234 1241 1243 1258 1272-1273
			1279 1288-1290 1294 1307-1308
1			1312 1320 1323 1330 1356 1360- 1361 1368 1373-1375 1379 1391
		'	1400 1417 1446 1468 1482 1493-
			1494 1501-1503 1506-1507 1512
			1517 1522-1524 1530-1533 1537
			1549 1565 1578 1598 1606 1608
			1623 1625 1627 1639 1643 1648-
			1649 1653 1664 1667 1671 1696
1		ļ	1734 1741 1743-1744 1760-1761
ļ			1771
adult brain	GIBCO	ABD003	3 12-14 18-19 25 30-31 34-35 43-
			45 50-51 56 58 60 65-66 68-69 80
			82 85 87 92 104 107-108 112-113
			115-116 123-124 131-132 135-137
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212-
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212- 214 223 233 235-237 247 257 259
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212- 214 223 233 235-237 247 257 259 261 268-269 272 276 280-281 284-
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212- 214 223 233 235-237 247 257 259 261 268-269 272 276 280-281 284- 288 291-292 295 297 300-301 304
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212- 214 223 233 235-237 247 257 259 261 268-269 272 276 260-281 284- 288 291-292 295 297 300-301 304 307 317 330-232 132 327 329-331
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212- 214 223 233 235-237 247 257 259 261 268-269 27 276 280-281 284- 288 291-292 295 297 300-301 304 307 317 320-321 233 227 239-331 333-333 345-349 286-387 379-381
			115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 193 195-197 199 203 208 210 212- 214 223 233 235-237 247 257 259 261 268-269 272 276 260-281 284-288 291-292 295 297 300-301 304 307 317 320-321 233 237 329-331 333-333 345-349 256-357 379-381 393 401 406 141 419 424 426-428
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 139 139-137 199 203 260 201 212- 214 223 233 235-237 247 257 258 201 266-269 272 276 260-261 284- 272 272 273 273 273 274 275
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 139 159-139 199 203 208 201 212- 214 223 233 235-237 247 257 258 261 266-269 272 276 280-281 294- 288 291-292 295 297 300-301 304 307 317 320-231 233 237 232-331 333-331 345-349 256-557 379-381 339 340 108 144 519 426-428 430 433-436 439-439 445 449
	·		115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-139 359-137 199 203 260 261 261-262 262 262 262 262 262 262 262 262 262
		·	115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192- 139 159-139 199 203 208 201 212- 214 223 233 235-237 247 257 258 261 266-269 272 276 280-281 294- 288 291-292 295 297 300-301 304 307 317 320-231 233 237 232-331 333-331 345-349 256-557 379-381 339 340 108 144 519 426-428 430 433-436 439-439 445 449
		·	115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 160 1392- 139 139 139 139 130 130 130 131 139 139 139 130 130 130 130 130 130 139 139 139 130 130 130 130 140 130 130 130 130 130 130 130 140 130 130 130 130 130 130 130 130 130 131 130 130 130 130 130 130 130 130 131 130
		·	115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-189 395-197 199 203 206 202 212-214 223 233 235-237 247 257 255 261 268-269 272 276 268-268 268 1289 272 276 268-268 268 1289 273 157 259 300-301 367 317 326-331 323 273 329-331 337 317 326-331 323 267 317 326-331 323 267 317 326-331 323 267 317 326-331 327 328-331 337 317 317 317 317 317 317 317 317
			115-116 123-124 131-132 155-137 129 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-159 159 159 159 159 159 159 159 159 159
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-130 19
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-139 139-137 199 203 206 201 212-214 223 233 235-237 247 257 258 258 258 258 258 258 258 258 258 258
			115-116 123-124 131-132 155-137 129 142 146 148-149 152 154 157 159 163 165 167 169 177 180 139-131 355-137 189 130 200 212-12-12-12-12-12-12-12-12-12-12-12-12-
		·	115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-1193 138-137 199 203 206 201 212-214 223 233 235-237 247 257 258 248 248 248 248 248 248 248 248 248 24
		·	115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 177 180 192-159 159 159 159 159 159 159 159 159 159
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-139 139-137 199 203 206 201 212-214 223 233 235-237 247 257 255 261 268-269 272 276 280-261 284-23 233 235-237 247 257 255 257 257 257 257 257 257 257 25
			115-116 123-124 131-132 155-137 129 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-159 135-137 195 195 203 206 201 212-236 159 169 169 169 179 180 192-169 169 169 169 169 169 169 169 169 169
			115-116 123-124 131-132 155-137 159 163 165 167 169 172 180 192-193 135-137 199 203 206 201 212-214 233 235-37 199 203 206 201 212-214 233 235-37 272 75 255 201 264-269 272 176 260-261 264-269 272 276 260-261 264-269 272 276 260-261 264-269 272 276 260-261 264-269 272 276 260-276 276 276 276 276 276 276 276 276 276
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-139 159-137 199 203 206 201 212-214 225 237 237 247 257 257 257 257 257 257 257 257 257 25
		·	115-116 123-124 131-132 135-137 139 143 146 148-149 135 145 157 159 143 145 145 157 159 143 145 145 157 159 143 145 157 159 143 145 145 157 159 145 145 145 145 145 145 145 145 145 145
		·	115-116 123-124 131-132 155-137 135 142 143 143 144 146 148-148 152 154 157 159 163 165 167 169 172 180 192-135 155-137 199 203 262 201 211-214 223 233 235-237 247 257 252 252 252 252 252 252 252 252 25
		·	115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 169 169 169 169 169 169 169 169 169 16
			115-116 123-124 131-132 155-137 139 142 146 148-149 152 154 157 159 163 165 167 169 172 180 192-159 159 159 159 167 169 172 180 192-159 159-159 169 169 172 180 192-159 159-159 169 169 172 180 192-159 159-159 169 169 169 169 169 169 169 169 169 16
		·	115-116 123-124 131-132 135-137 139 142 146 148-149 152 154 157 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 163 165 167 169 177 180 192-151 159 169 169 169 169 169 169 169 169 169 16

Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
		Library Name	
1	1		1097 1103 1107 1109 1112 1116-
i			1134 1144-1145 1149 1151 1157-
(ĺ		1158 1167 1170 1178 1184 1188
ĺ			1190 1193-1194 1200 1202 1215-
1			1217 1220 1226-1227 1229 1231
ł			1241 1243 1247 1252 1258 1263
			1267 1269 1279 1281 1284 1286- 1289 1293-1294 1306-1307 1312
1			1316-1320 1326 1333 1338 1341
	1	l	1344 1348 1351 1355-1357 1368
			1374 1377 1380 1386 1389-1390
}]		1394 1400 1409 1414 1422-1423
			1425-1427 1437 1443 1446 1454
			1456 1458-1459 1468 1470-1472 1478 1482-1483 1487-1488 1493
			1497 1499 1506 1508-1511 1517
			1522-1524 1530-1533 1545-1546
			1548-1550 1552 1557-1559 1563
			1565 1567 1569 1571 1586 1588
			1591 1593 1595 1598-1601 1608
			1611 1620-1621 1624-1626 1628
	i		1630-1632 1636 1640-1641 1644- 1645 1647 1649 1653-1655 1657
			1664 1667 1669 1673 1678-1681
			1686 1690 1694-1696 1701 1709
			1711 1719 1722-1723 1726-1727
i e	1		1731-1733 1738 1740 1743-1744
			1747 1749 1753 1757-1758 1760-
			1761 1765 1771 1785
adult brain	Clontech	ABR001	9 29 68-69 113 115 146 152 206 223 245 277 307 320 324 330-331
	j		344 348 352 362 379 384 393 404
			408 414 441-442 454 469 481 490
			506 517 586 597 631 641 659 691
			715 799 803 833 865 871 875 880
			882 908 920 937 1000 1005-1006
1	i		1027 1036 1041 1043 1075 1107 1112 1121 1127 1136-1137 1144-
l .			1147 1231 1238-1239 1280 1293
	ĺ		1320 1345 1355 1361 1383-1384
			1400 1417 1448 1456 1476 1507
ĺ			1570 1572 1609-1610 1614 1620
			1626 1645 1653 1754 1759 1770
adult brain	Clontech	ABROO6	1786 5-8 15-16 168 212-213 271 273
addie brain	CIONTECH	ABROOG	280-281 291-292 300-301 310 314
			321 326 336-338 341 352 357 359-
			360 362 369 374 379 384 393 396-
			397 414 419-420 426-428 430 441-
			442 453 506 616-617 661 689 785
			798 845 1018 1109 1113 1124 1148 1167 1187 1207 1227 1262 1265
1			1285 1312 1317-1319 1324-1327
			1344 1369 1381 1400 1416 1421
ļ			1427 1430-1431 1436 1471 1501
į .			1557-1559 1586 1588 1651 1653
			1664-1665 1671 1673 1690 1697-
]			1698 1700 1711 1717 1719-1720
			1728 1736 1740 1743-1744 1757 1760-1761
adult brain	Clontech	ABROOS	5-10 13-19 22-23 25 29 33 37-39
	ozometen.	211.000	43-45 50-51 54-55 57-58 60-66
			68-70 72 75 77-80 83 85 89-92 94
			99-105 108-110 112-113 116-117
			123 128 133 135-137 139 143 145-
			146 148 152 154-155 157 166 168-
			172 174-175 181-184 188-190 193-
L			194 196 198-200 202 204-205 207-

Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
		Library Name	
			208 210 214-215 218 221-226 229
			231-232 234-241 245-247 251-253
			255 257-259 268-269 271 276-281
			285-286 288 290-292 300-302 304
1			307 309-311 313 315 317-318 320-
			322 325-326 328 330-331 333-338
			341 344-347 349 352 354 356-357
			362 369-373 376 379-380 382 384
			387 390-391 393-394 397 399-403
			405-411 414-415 417-420 426-428
1			437-438 440-444 453-455 462 464
J			467 469-471 476 478 482-484 488-
			491 497 503 506-513 516-517 520
ĺ			524-526 528-530 532-534 537-540
			542 544 547-551 553 561 565-567
			572-574 577 581 585 587-588 590-
1			591 597 599 601-602 606-610 612
			615-617 619-620 622-623 628-629
l l			631 633-634 636-641 643 645-647
			651-653 655-664 669-671 673 679
	1		682 687 689 691-700 702 706 710
)		715-717 720-721 725-734 736-739
			742-743 746 750-752 756 758-759
	ľ		762-764 766 768 773-778 780-782
			784-785 787-789 794 796 799 802-
	,		803 805 811 814-815 818 825-826
1			834-837 839-840 842-843 856-859
			861-862 865 867-872 874-875 881
J			883-884 887 889-892 894-895 897-
			898 901 904 908 910 912 914 917
ì	1	Í	919 921-924 926-927 930-932 935-
Į.	j		941 943 945 949 953-954 958 961-
			963 967 969 971 975 977 981-983
	ĺ		986 988-990 992 997 999-1002
	1		1004-1006 1008 1012 1018-1023
			1027 1029-1031 1035-1037 1047-
1			1048 1053 1057 1059 1063 1068
ì	ł	1	1070 1072-1075 1077 1081-1083
	1		1085-1093 1095-1096 1108-1112
			1114-1125 1127 1131-1133 1135-
	ı	1	1138 1142-1145 1148-1158 1160-
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Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:
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adult brain	Clontech	ABR011	24 75 103 186 210 310-311 364-
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adult brain	BioChain	ABR012	1059 1204 1609 1731-1732 46 182-184 204-205 300 739 767
audic biain	BLOCHALI	MORULZ	1371 1549 1620 1684
adult brain	Invitrogen	ABR013	185 204-205 364-365 393 497 595
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Tissue Origin	RNA Source	W	I amo ve voc
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Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
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Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:
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Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:
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			1776
adult lung	GIB©	ALGOOL	4-8 14 37-39 44-46 50-51 56 62-63 75 82 89 93 103-104 113 125 133 134 143 143 150 152 154 157 152 133 140 143 150 152 154 157 152 133 140 143 150 152 154 157 152 154 157 152 154 157 152 154 157 152 154 157 152 154 157 152 154 157 152 154 157 152 154 154 154 154 154 154 154 154 154 154
lymph node	Clontech	ALMOO1	4 24 50-51 82 105 137 153 198 201 223-224 234 268-269 272 280- 281 287 301 312 329 343 382 421 430 433 445 451 461-462 475 481-
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Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:
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young liver	GIBCO	ALV001	5-8 11 20-21 46 50-51 58 65-66 75 79 82 93 97 102-103 108 110
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adult liver	Invitrogen	ALV002	5-8 17 20-21 32-33 41 55 58 64
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Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:
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Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:
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1124 1126 1134-1135 1142 1144- 1145 1163 1172 1178 1197 1199- 1200 1202 1216-1217 1224 1227- 1228 1240 1246 1245 1246 1251 1266 1270 1278 1281 1285 1287 1290- 1291 1293 1299-1201 1308 1314 1314-1320 1327 1331 1339 1343 1346 1349 1355 1366 1366 1367 1369 1372-1374 1379-1380 1394 1400 1400 1400 1408 1413 1417 1419 1423 1425-1427 1430-1431 1431 1433 1343 1345 1346-1447 1445 1459		I	i	
1145 1163 1172 1178 1197 1199- 1200 1202 1216-1217 1224 1227- 1228 1240 1246 1254 1261 1266 1270 1278 1281 1285 1287 1290- 1291 1293 1299-1101 1308 1314 1317-1320 1327 1331 1339 1340 1347 1318 1318 1318 1318 1347 1348 1348 1348 1348 1348 1348 1348 1348		[ſ	
1200 1202 1216-1217 1224 1227- 1228 1240 1246 1246 1246 1246 1266 1270 1276 1281 1285 1287 1290- 1291 1293 1299-1201 1308 1314 1317-1320 1327 1331 1339 1343 1346 1347 1347 1357 1356 1361 1367 1369 1372-1374 1379-1380 1394 1400 1400 1400 1408 1413 1417 1419 1423 1425-1427 1430-1431 1431 1432 1433 1446-1446 1445 9		i		
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1369 1372-1374 1379-1380 1394 1400 1403 1406 1403 1417 1419 1423 1425-1427 1430-1431 1433 1433 1443 1446-1449 1459	1	ì	1	1317-1320 1327 1331 1339 1343
1400 1403 1406 1408 1413 1417 1419 1423 1425-1427 1430-1431 1433 1439 1443 1446-1449 1459			i	1346 1349 1353 1356 1361 1367
1419 1423 1425-1427 1430-1431 1433 1439 1443 1446-1449 1459			1	1400 1403 1406 1400 1413 165
1433 1439 1443 1446-1449 1459			ı	1419 1423 1425_1427 1430_1421
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SEQ ID NOS:

Tissue Origin RNA Source Hyseq

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1		}		
١				1626-1628 1630-1632 1634 1636
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١				1653-1655 1661-1662 16/6-1681
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1		,		1713-1714 1717 1720 1722-1723
ı		i		1727 1737-1738 1740 1758 1767
L				1772 1781-1782 1785-1786
1	bone marrow	Clontech	BMD002	11 15-16 19 30-31 35-36 68-69 75
1				83-84 93 99 103 108-109 118 137
1				139 169-170 174 177 180 190 193
١		1		212-213 219 222 225-226 232 237
1				255 259 264 273-274 284 286 290-
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ĺ				316 324 326 330 334-335 348 352-
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1				601 616-617 621 641 650 652 656
ı				659 671 674-675 679 684 710 718-
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П				1347 1350 1353 1355-1357 1367
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ı	1			1704 1707-1709 1711 1720 1722-
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ı	i	l l	1	1738-1740 1743-1746 1752 1755
ı				1760-1761 1767 1777 1781-1782
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ı	bone marrow	Clontech	BMD004	73-74 503 922 1036 1711
r	bone marrow	Clontech	BMD007	95-96 866 1320 1475
t	adult colon	Invitrogen	CLN001	17 56-58 103 110 117 144 150 171
			Camiova	179 185 188-189 201 204-206 210
j				218-221 225-226 231 237 251 277
	ļ			288 310 312 320 333 359 386 388
ì	1			
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ı	j]		672 684 697 710 725-726 743 780
ı				786 788 826-827 848-850 854-855
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ļ			ļ	976 983 993 1005-1006 1017 1020
ì				1025 1027 1054-1055 1063 1068-
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Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
	L	Library Name	
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			1765
Mixture of 16	Various	CTL016	401 1490 1686
tissues -	Vendors		1
mRNAs			
Mixture of 16	Various	CTL021	312 782 1132-1133 1403 1712 1715
tissues -	Vendors		
adult cervix	BioChain	CVX001	
adult cervix	Blochain	CVX001	1 4-8 11 13 18-21 25-26 30-31 33 37-39 43 46-47 58 61 64-66 71
			73-74 82 85 94 100 103-104 113
			118 122 126 130 134 140 147 153-
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			196 198 201-202 218-219 222 229-
			231 257 266 276-277 285-286 288
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		l	326 329-330 332 335 342 352 358
			362 371-372 376 379 381-382 384
			388 398 400 410 414 416 419-420 426-427 430-431 433-436 439 446
			448 461-462 464 471-477 479 482-
			483 491 493 496 503 506 510-513
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			547 557 561 572-573 575-577 581-
			582 585-586 588-589 593-594 600
			602 604-605 607-609 612 615-619
			623 644 650 654 657-658 662-665
			670 672 680 683 691-694 698 706 708-709 711 713 720-721 727 729
			731-732 737 745-747 753-754 760
			765 771 774-777 780 790 793 796
			798 800 803 805 818 826 828 831-
			832 834-836 843 847-848 851-855
			857-860 864-866 869 871 876 878-
			880 882 887 890-891 897 899-902
			905-908 912-913 916 918-919 922
			927 932 934-938 944 948 955-956 958 963-964 967 969-970 972 976
			978-979 983 985 990 992 1000
			1005-1007 1016-1017 1024 1027
			1033 1036 1038 1045 1047 1053-
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			1079 1082 1098 1113 1124 1129
	Į.		1134 1139 1146-1149 1163 1167
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	ĺ		1200 1202 1211 1214 1215 1221-
	1		1222 1225 1227 1232-1234 1240- 1241 1243 1258 1264-1265 1268
			1241 1243 1258 1264-1265 1268
	ſ		1311 1316 1320 1323 1327 1345
1	i		1349 1353-1354 1360 1372-1374
	1		1383-1384 1386 1394 1397 1405-

The 16 tissue-mRNAs and their vendor source, are as follows: 1) Normal adult brain mRNA (Invitrogen), 3) normal adult kidney mRNA (Invitrogen), 3) normal adult kidney mRNA (Invitrogen), 3) normal adult kidney mRNA (Invitrogen), 6) normal fetal kidney mRNA (Invitrogen), 6) normal fetal skidney mRNA (Invitrogen), 6) normal fetal skidney mRNA (Invitrogen), 6) normal fetal skidney mRNA (Invitrogen), 6) manna adrenal gland mRNA (Colonetch), 9) human bone marrow mRNA (Clonetch), 10) human sukemia lymphablastic mRNA (Clonetch), 11) human thymus mRNA (Clonetch), 12) human sympha hode mRNA (Clonetch), 13) human signal cord mRNA (Clonetch), 14) human symphablastic mRNA (Clonetch), 15) human symphablastic mRNA (Clonetch), 16) human sosophagus mRNA (Clonetch), 16) human sosophagus mRNA (Clonetch), 17) human symphablastic mRNA (Clonetch), 18) human sosophagus mRNA (Clonetch), 19) human sosophagus mRNA (Clo

Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
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diaphragm	BioChain	DIA002	137 282 289 730 780 986 1409
			1478 1599 1614
endothelial	Strategene	EDT001	3 5-10 13 15-21 24-26 29 34 37-
cells			39 42 44-45 50-51 53-55 57-58
			60-61 65-66 68-69 73-74 77-78 80
			82-83 85 87 89 93-96 101-105 108
			110 112-114 116 118-122 124 128
			133-134 137-142 147-150 152-153
			161-163 166-172 176-179 187 190
	1		192 194 196-201 204-207 210 212- 214 220 224 229-230 233 235-236
i			240-241 251-252 258 261-262 265
	ļ j		267-269 272 276-277 279-281 284-
'			285 288 290 295-296 301-302 310-
i			311 313 316 321 325 329 331-333
			335 340-342 351-355 360 371 375
1 1			380-382 384 387 390 392 397 400
1			407-408 410 412 414 416 425-427
			431 434-436 439 444-445 449 454
1			463-464 472-475 477-479 486 488-
1			490 497-498 500-504 510-513 516-
1			519 522 524 526-528 532-534 536-
1			540 542-546 548 561-563 566-567
(572-576 579 581 585-586 589 593
		•	595 597 599 603 607-612 615-617
1 1			620 622 626 630 632-634 638-641
			644 647 656-660 662-664 670 673
			678 680-682 692-697 707 709-710
			712-713 719 730 732 734 736 738
j l]		743-746 751 759 768 771 773 775- 778.783 786-789 793 800 803 805-
[]			807 810-811 814 816-813 821-822
1 1			824 826 828-829 832 834-838 842-
1			845 848-850 854-860 862 864 869
(871 874 876-879 883 885 887 890-
1)		891 894-895 898-900 903 908 910-
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1			935 939 943 948-949 951-954 957
1			959-961 964 969-970 973 975-978
1	- 1	i	983-984 988-990 992-993 996-997
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	1	1	1022-1025 1028 1031 1033-1034
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	1		1060 1062-1064 1067-1070 1072-
1	1		1074 1076 1078 1082 1086-1087
1	i		1089-1090 1093-1097 1099-1103
	1	ſ	1107 1109-1113 1116-1117 1124-
1	1	Į.	1126 1128-1131 1134-1135 1138
]	1	j	1140 1144-1145 1148-1149 1153
(- 1	{	1157 1160 1163 1171 1183-1184
	1	ļ	1198-1199 1202 1205-1207 1211 1216-1217 1219 1221 1225 1229
1	ĺ	1	1232-1235 1238-1241 1243-1244
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<u> </u>			1230 1237 1237 1250 1261

Tissue Origin	RNA Source	Hyseq	SEO ID NOS:
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			1424-1426 1428-1431 1434-1438
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	i		1592 1597 1605-1606 1611 1613
			1615 1618-1621 1624-1628 1630-
	ľ		1631 1634 1636 1638 1641 1643-
1			1650 1652-1659 1664 1666-1667
1			1669 1671 1675-1681 1683-1688
			1696-1698 1703 1711 1715-1716
			1719 1722-1723 1726 1731-1733
			1736 1739-1741 1743-1744 1749 1755 1760-1761 1765 1767-1768
			1771-1773 1776 1779 1783-1786
Genomic clones	Genomic DNA	EPM001	286 686 1297 1303-1304 1352
from the short	from	2111002	1411-1412 1754
arm of	Genetic		
chromosome 8	Research		
esophagus	BioChain	ESO002	131-132 261 289 380 503 860 892
			1000 1007 1397
fetal brain	Clontech	FBR001	62-63 89 112 126 194 322 336-338
l .			379 391 411 481 546 563 607 679
1			710 867 1012 1031 1055 1251 1262 1320 1407 1643 1652 1686 1731-
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fetal brain	Clontech	FBR004	68-69 90-91 139 212-213 301 331
			362 374 403 436 611 645-646 659
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fetal brain	Clontech	FBR006	5-9 25 43 60 62-63 65-66 70 72
			80 87 92 101 103 108 114 136 139 149 152-153 157 168 171-172 175
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	ì		357 370 373 377 379-380 382 384
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	i i		590-591 595 597 604 607-609 615
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Tissue Origin	I DNA Courses	77	
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	1	1	1270-1273 1281 1287 1308-1309
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	1	1	1718 1720 1722 1724 1726 1728
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fetal brain	Clontech	FBRs03	235-236 520 864 1068 1188 1587
fetal brain	Invitrogen	FBT002	15-18 20-21 24-25 29 34 43 61-63
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			334 339 346-347 350 357-359 381-383 380 407 18-419 303 357-359 381-383 380 407 18-419 303 314-435 438 443-444 461 464-466 483 490 495 595 165 155 522 527 557 561-562 572-73 390-581 595 597 622 647-468 50 453 669-670 672 674 678 678 678 678 678 678 678 678 678 678
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lymphocytes	ATCC	LPC001	1730 1735 1735 1741 1743-1744 1748-1749 1753 1760-1763 1760-1762 1765 1767-1770 1770 1771 1775 1775-1776 1776-1777 1775 1775-1776 1776-1779 1776-1779 1776-1779 1776-1776 1776
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lymphocytes	ATCC	LPC001	1730 1735 1735 1741 1743-1744 1747 1748-1749 1735 1760-1763 1760-1762 1765 1767-1770 1777-1777 1777-1777 1777-1777 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1787-1889 187 187 187 188 187 187 188 187 187 188 187 187
lymphocytes	ATCC	LPC061	1730 1735 1735 1731 1741 1743-1744 1748-1749 1753 1760-1753 1760-1752 1765 1761 1745 1765 1765 1765 1765 1765 1776-1771 1773 1775-1776 1776-1777 1778-1779 1778-1779 1778-1779 1742 182 24-25 30-31 48 50-51 16 56-37 68-98 90 39 39 80 30 30 51 110 126 137 152-153 157 165 172 188-178 178 178 178 178 178 178 178 178 178
lymphocytes	Arcc	LPC001	1730 1735 1735 1741 1743-1744 1747 1748-1749 1735 1760-1763 1760-1762 1765 1767-1770 1777-1777 1777-1777 1777-1777 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1787-1889 187 187 187 188 187 187 188 187 187 188 187 187
lymphocytes	ATCC	LPC001	1730 1735 1735 1741 1743-1744 1747 1748-1749 1753 1760-1752 1765 1760-1752 1765 1776-1771 1773 1775-1776 1776-1777 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1778-1779 1789 1797 1797 1797 1797 1797 1797
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lymphocytes	ATCC	LPC001	1730 1735 1735 1741 1743-1744 1747 1748-1749 1753 1760-1752 1765 1765 1765 1765 1765 1765 1765 1765
. Умирhосутев	ATCC	LPC001	1730 1735 1735 1741 1743-1744 1747 1748-1749 1753 1760-1753 1760-1752 1765 1767-1771 1775 1775-1777 1778-1777 1775-1777 1778-1777 1778-1777 1778-1777 1778-1778 1778-1778 1778-1778 1778-1778 1778-178 1788-178 1788-178 1788-178 1788-178 1788-178 1788-178 1788-178 1788-178 1788-178 1788-178 1788-1788-
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lymphocytes	ATCC .	LPC001	1730 1735 1735 1741 1743-1744 1748-1749 1735 1760-1762 1765 1767 1770-1771 1773 1775-1776 1776-1777 1773 1775-1776 1776-1777 1773 1775-1776 186-187 180 180 180 180 180 180 180 180 180 180
lymphocytes	ATCC	LFC001	1730 1735 1735 1741 1743-1744 1743 1745 1748-1749 1753 1760-1753 1760-1752 1765 1767 1745 1765 1767 1776-1777 1777 1777 1777 1777 1777
іупіріосутев	Arce	LPC061	1730 1735 1735 1741 1743-1744 1748-1749 1753 1760-1753 1760-1752 1765 1767-1771 1775 1775-1777 1778-1777 1775-1777 1775-1777 1775-1777 1775-1777 1775-1777 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1776 1776 1776 1776 1776 1776 1776
lymphocytes	Arcc	LPC001	1730 1735 1731 1741 1743-1744 1747 1748-1749 1735 1760-1763 1760-1762 1765 1767-1770 1777 1777 1777 1777 1777 1777 177
lymphocytes	Arce	LFC061	1730 1735 1735 1741 1743-1744 1748-1749 1753 1760-1753 1760-1752 1765 1767-1771 1775 1775-1777 1778-1777 1775-1777 1775-1777 1775-1777 1775-1777 1775-1777 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1775-1776 1776 1776 1776 1776 1776 1776 1776

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salivary gland	Clontech	SALs03	158 326 1423 1463-1464
skin fibroblast	ATCC	SFB001	1320 1400
skin fibroblast	ATCC	SFB002	262 736 1025 1253
skin fibroblast	ATCC	SFB0C3	709 1119 1350 1631 1653
small intestine	Clontech	SINOOL	25 142 146-147 151 185 198 203 244 260 271 280-281 286 288 298 301-302 308 301 231 34 30 371 398 408 418 418 418 418 418 418 418 418 418 41
skeletal muscle	Clontech	SKM001	18 20-21 62 84 101 118 134 146 151 153 166 225-226 255 274 277 289 329 361 412 414 424 440 452 445 476 476 476 476 476 476 476 476 476 476
skeletal	Clontech	SKM002	168 1683 1712
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			1259 1277 1280-1281 1322 1349
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			1487 1493 1498 1557-1559 1622 1634 1651 1653 1729
thalamus	Clontech	THA002	9 11 25 85 87 112 137 146 180
			190 198 206 210 212-213 235-236
			239 261 268-269 279 290 301 325
	1		333-334 341 351 356 364-365 379
	J		388 393 396 419-420 441-442 458
			477 483 508 525 531 549 567 606 608-609 647 681 715 725-727 736
			774 782 784 794 827 883 890-891
			899-900 961 997 999-1001 1004
		1	1034 1055 1097 1129 1144-1145
			1150-1151 1157 1172-1173 1177
	1	1	1193-1194 1208 1220 1249 1280
	j	j	1305 1345 1355 1359 1434-1435 1440-1441 1454 1496 1546 1549
	- 1		1562 1572 1578 1590 1594 1613-
			1614 1640 1651-1652 1671 1687-
	i		1688 1703 1743-1744 1746-1747
			1753
thymus	Clontech	THM001	44-45 54 57-58 62-64 79 104 123
	ł		126 134 153 193 212-213 218 242- 243 258 274 277 279 297 301 307
	I		327 330 333 342 351 358 371 410
1			430 445 465-466 468 471 483 487
		1	493 503 506 509 517 526 535 537-
			433 303 306 303 311 350 333 231- 1

Tissue Origin	RNA Source	Hyseq Library Name	SEQ ID NOS:		
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1			728 735 739 746 759 762 766-767 775-777 780 784-785 800 802 809		
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ĺ			866 870-871 878 884 887 892 899-		
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			1649 1654-1655 1661-1662 1669-		
			1670 1674 1676-1677 1685-1688		
			1707 1711 1731-1732 1737		
thymus	Clontech	THMC02	5-9 15-21 25 33 35-36 43-45 48		
			50-51 54-55 60 75 83 87 89 93 98-100 102 105 112 117 135-137		
			141 143 146 157 167 169 192 196		
			211 217-219 222 224 229 233 235-		
			236 240-241 244 251-252 256 261-		
			262 268-269 286 288 290 295 297		
			301-302 309-310 315-317 321 324 327 334 342 350 352-353 360 370-		
	1		373 382 384 400 403 410 414-416		
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			464-467 470 472 474-476 483 488		
			497 500 504 506 513 516 519-520		
j .			524 526 530-531 534 537-540 549 554-555 565-566 569-570 572-573		
	(575-577 586-587 595 603-604 606		
			612 630-632 634 636 647 650 657-		
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	ĺ		800 810 823 829 834-836 841 848		
	}		854-856 859 861 854 870-871 881		
ì		*	890-891 898 908-909 913 928 933 941 949 958 961 963 967 969 975		
	i		981 986 988-990 992 999 1007-		
)		1008 1014 1016 1039 1041 1073-		
			1074 1079 1089 1097 1109 1114-		
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			1145 1163 1172 1175-1177 1186 1196 1198 1206 1211 1216 1220		
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		ì	1374 1377-1379 1386 1389-1390		
	1		1392 1397 1400 1402 1406-1407		
	1		1417 1423 1425-1427 1440-1441		
	1		1466 1474 1477 1483 1493 1498		
	I	}	1504 1506 1525 1536 1545 1549		
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			1641 1644 1647 1649 1653-1656		
	- 1		1658 1662-1663 1671 1673 1678-		
	i		1681 1686-1688 1693 1705 1707		
ļ	1		1711 1717-1718 1726-1727 1731-		
	(J	1733 1737-1738 1743-1745 1758- 1761 1771-1772 1779 1786		
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Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
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	1		57 63-61 65-66 71 83 94-96 98-
	İ		100 102 104 110 112 115-117 119 123 127 133 136-137 140 149 152-
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			186 190-192 197 201-203 219-220
	1		229 233-237 246-247 253 256 258
	1		262 265-266 268-269 277 280-281
	(284-286 288-289 298-299 302 309-
]	ļ		311 317 321 326 332 335 341-342
		160	344 348 350 354 358-359 363 368
1	l		371-373 382-383 385 394 398 400- 401 411 414-415 421 424 430-431
ì			433-436 443-446 450-452 454-455
	1		458 472-474 476-478 482 484-485
ļ	ļ		487-488 490-494 496-497 500-501
ĺ	1		503-504 506 509-513 516-517 519
1	1 .		524 526-527 529 535-540 547 549
			562 564 569-570 575-576 588 594-
İ	1		595 601-602 604 606 610 612 615- 617 619-623 628-630 634-635 642
			647 649-651 660 662-665 668 670
	f		681 690-694 696 698 700 709 721
j]		727-729 732 734 738 740-741 743
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1)		780 785 795-796 798 802 804 823-
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			849 857-860 867 874-875 878 880- 881 887-888 890-892 894-895 898
ļ	j l		908 910-911 913-914 922-923 926-
ĺ			927 929 932-934 937 939 941-942
1			948 953 957 961 963-964 966 978-
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		170	1136-1137 1142-1143 1146-1147
			1149-1150 1156 1161-1164 1167
			1170-1173 1177-1181 1190 1192
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		1	1217 1219 1222 1230 1232-1233 1235 1241 1245 1247 1254 1257-
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			1330-1332 1334-1335 1342 1345
	[1349 1365-1367 1370-1372 1374
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crachea	Clontech	TRCOD1	9 29-31 46 48 87 104 107 110 135
			158 222 262 266 286 301 318 331

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PCT/US00/34263

Tissue Origin	RNA Source	Hyseq	SEQ ID NOS:
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			352 372 377 384 414 424 445-446
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	1		922 932 935 1046 1075 1080 1099-
			1102 1113 1208 1215 1232-1233
			1237 1281 1312 1385 1387 1405
			1414 1424 1430 1437 1447 1505
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			108 139 152 174 198 200-201 205
			263-265 274 290 387 408 420 438
			446 448 452 473 491 493 499 503
			506 513 519 522 526 530 542-543
			560 601 610 632 659 665 720 751
			773 780 833 845 857 872 877 912
			929 934 937 996 1009 1011 1018
			1050 1075 1107 1124 1170 1219
			1258 1279 1287 1310 1320 1323
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			1478 1481 1498 1519 1521 1536
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TRADOCS:1416191.1(%CQN01! DOC)

SEO	ACCESSION	SPECIES	DESCRIPTION	I SMITH-	3
ID	NUMBER	SPIALIES	DESCRIPTION	WATERMAN	IDENTITY
NO:	1 TOTAL STATE		J	SCORE	ADDIVITII
1	Y41736	Homo	Human PRO1114 protein	1398	100
1	1	sapiens	sequence.		
2	Y66656	Homo	Membrane-bound protein	2389	99
į.		sapiens	PRO943.	ì	1
3	AF113136	Homo sapiens	IL-1 receptor-associated-	3043	100
i		-	kinase-M; IRAK-M		ĺ
4	AF017806	Mus musculus	Zn-15 transcription factor	6351	77
5	X02761	Homo sapiens	fibronectin precursor	10535	98
6	X02761	Homo sapiens	fibronectin precursor	8990	89
В	X02761	Homo sapiens	fibronectin precursor	12564	99
9	AJ011679	Homo sapiens	Rab6 GTPase activating	5251	99
		-	protein, GAPCenA		j
10	W88501	Homo sapiens	Human stomach carcinoma clone	2381	100
ł		1	HP10415-encoded protein.	ì	ł
11	AF117754	Homo sapiens	thyroid hormone receptor-	11336	98
ĺ	ľ		associated protein complex	1	
			component TRAP240		1
12	297530	Homo sapiens	dJ466N1.4 (novel protein	896	100
1		-	similar to ANK3 (ankyrin 3,		1
Į.		ļ	node of Ranvier (ankyrin		1
l	l	ľ	G)))		l
13	Y58520	Homo sapiens	Protein regulating gene	1894	98
			expression PRG3-13.		1
14	AF213457	Homo	triggering receptor expressed	1238	100
		sapiens	on myeloid cells 2		
16	AF233453	Homo sapiens	RACK-like protein PRKCBP1	3124	99
17	AF201303	Homo sapiens	dhfr oribeta-binding protein	3130	98
1	l	1 -	RIP60		
18	AF054205	Homo sapiens	dynactin 1 p150 isoform	6377	100
1.9	U00059	Saccharomyce	Yhr121wp	174	26
1		s cerevisiae			1
20	AB032903	Homo sapiens	quanosine monophosphate	1801	99
1	1	•	reductase isolog		1
21	AB032903	Homo sapiens	guanosine monophosphate	1485	99
1			reductase isolog	1	
22	AF140507	Homo sapiens	Ca2+/calmodulin-dependent	3083	99
i			protein kinase kinase beta		1
23	AF140507	Homo sapiens	Ca2+/calmodulin-dependent	2300	99
l			protein kinase kinase beta		1
24	AJ289131	Homo sapiens	chondroitin 4-0-	2211	99
1			sulfotransferase		
25	U33460	Homo	DNA-directed RNA polymerase	8777	98
		saciens	I, largest subunit		
26	Y44488	Homo sapiens	ACRP30R2 variant protein.	1387	100
27	U43701	Homo sapiens	ribosomal protein L23a	791	100
28	U02032	Homo sapiens	ribosomal protein L23a	767	97
29	Y41324	Homo sapiens	Human secreted protein	1083	99
		.,	encoded by gene 17 clone		
1			HNPIX77.	i	
30	W71749	Homo sapiens	Human ubiquitin conjugation	715	90
ł			system protein 2.	1	'
31	W71749	Homo sapiens	Human ubiquitin conjugation	631	82
	1		system protein 2.		
32	AF231917	Homo sapiens	long-chain 2-hydroxy acid	1811	100
ļ			oxidase HAOX2		
33	Z29481	Homo sapiens	3-hydroxyanthranilic acid	1507	99
			dioxygenase		
34	AB001451	Homo sapiens	Sck	2869	100
35	Y00644	Homo sapiens	precursor polypeptide (AA -34	1667	99
			to 287)		
36	V00644	Homo sapiens	precursor polypeptide (AA -34	1104	9.8
1			to 287)	1	[1]
37	¥78795	Homo sapiens	Human antizuai-2 (AZ-2) amino	3586	78
1			acid sequence.	1	
38	¥78795	Homo sapiens	Human antizuai-2 (AZ-2) amino	4726	99
1			acid sequence.	1	1

SEO	ACCESSION	SPECIES	DESCRIPTION .	SMITH-	3
ID	NUMBER			WATERMAN	IDENTITY
NO:				SCORE	
3.9	778795	Homo sapiens	Human antizuai-2 (AZ-2) amino	3556	77
	1		acid sequence.	{	
40	U93121	Homo sapiens	M-phase phosphoprotein-1	3747	100
41	Y42750	Homo sapiens	Human calcium binding protein	795	100
ļ	1	-	1 (CaBP-1).		
42	AF282626	Homo sapiens	latexin	1189	100
43	G02150	Homo sapiens	Human secreted protein, SEQ	384	94
1		1	ID NC: 6231.	ł	1
44	U19617	Mus musculus	Elf-1	2724	88
45	U19617	Mus musculus	Blf-1	2062	86
4.6	AF100758	Homo sapiens	osteoinductive factor OIF	1538	100
47	Y87591	Homo sapiens	Human SPROUTY-1 protein, SEQ	1737	99
1			ID NO:24.		
49	X04145	Homo sapiens	T3 gamma precursor (aa -22 to	942	99
ì	1	ļ	160)	l	
51	X63547	Homo sapiens	oncogene	5845	99
52	M94043	Rattus	rab-related GTP-binding	1089	96
1	1	norvegicus	protein	Í	
53	L31783	Mus musculus	uridine kinase	917	71
54	X83973	Homo sapiens	transcription factor	4486	98
55	AF224741	Homo sapiens	chloride channel protein 7	4128	99
56	W74805	Homo sapiens	Human secreted protein	1491	100
			encoded by gene 77 clone		ì
{	1	1	HOEAS24.		
57	250907	Homo sapiens	Human TBC-1 cDNA from second	4824	100
	1	1	transcript.		
58	D79994	Homo sapiens	similar to ankyrin of	6089	99
	1	1	Chromatium vinosum.		
59	D79994	Homo sapiens	similar to ankyrin of	4014	91
l	1	1	Chromatium vinosum.		
60	¥59738	Homo sapiens	Human normal ovarian tissue	601	100
1		l	derived protein 15.		
61	AB031069	Homo sapiens	protein containing CXXC	1390	100
1	1		domain 1		
62	Y66560	Homo	Membrane-bound protein	2492	99
ì	1	sapiens	PRO783.		
63	Y66660	Homo	Membrane-bound protein	1709	99
L		sapiens	PRO783.		
64	S70011	Rattus sp.	tricarboxylate carrier	895	55
65	AF139518	Rattus	A-kinase anchor protein	178	24
		norvegicus			
66	W29566	Homo sapiens	Homo sapiens DH1308_1 clone	157	30
l			secreted protein.		
67	AJ245738	Homo sapiens	claudin-15	1206	100
68	AF099138	Rattus	GLUT4 vesicle protein	4183	87
		norvegicus			
69	AF099138	Rattus	GLUT4 vesicle protein	4906	86
	1	norvegicus		1285	44
70	Z82059	Caenorhabdit	Similarity to Drosophila ring	1285	44
1	1	is elegans	canal protein comes from		
-	1		this gene	1282	100
71	AF224278	Homo sapiens	PMEPA1 protein	1282	100
72	AF126426	Homo sapiens	neurotrimin	1809	99
1 73	Y41652	Ното	Human M3K2 protein sequence.	2065	1 29
		sapiens		1207	100
74	Y41652	Homo	Human MEK2 protein sequence.	1207	100
L	I	sapiens		1485	74
75	AF188622	Mus musculus	selectively expressed in	1485	/4
-		L	embryonic epithelia protein-1	000	100
76	AE000406	Escherichia	putative DNA topoisomerase	950	100
0.0	-			755	100
77	X99302	Homo sapiens	Pop1	655	31
78	AL136538	Schizosaccha	similarity to S. cerevisiae	210	31
1	1	romyces	ktil2 protein	1	}
-	AF129756	pombe		1554	99
79	AF129756	Homo sapiens	G4	L 1354	7.7

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	07.000.00	DED CHAILITON	WATERMAN	IDENTITY
NO:	I I I I I I I I I I I I I I I I I I I		1		IDBNILTI
				SCORE	
80	AL096768	Howo sapiens	dJ858B16.2	2033	100
1	1	}	(phosphatidylserine	1	1
			decarboxylase (PSSC, EC	l .	
1	i .		4.1.1.65))	Į.	
F		l		L	
81	AL096768	Homo sapiens	dJ858B16.2	1220	96
ŀ		1	(phosphatidylserine)	
i		ì	decarboxylase (PSSC, EC	1	
Į.	l .	1	4.1.1.65))	i	1
		l			
82	X57351	Homo sapiens	1-8D	677	98
83	AC005594	Homo sapiens	R26984 1	2700	98
84	X73113	Homo sapiens	fast MySF-C	5959	99
85	AF097330	Homo sapiens			
) 53	ME 03 /330	HOMO Sapiens	H1 chloride channel; p64H1;	1305	99
1		1	CLIC4		ļ
86	AB018423	Mus musculus	SH2 domain-containing protein	1360	78
87	AF272151	Homo sapiens	adaptor protein CIKS	3084	99
88	AF195329	Homo ouptains	dddpest procein cins		
80	AF195529		triggering receptor expressed	1214	100
1		sapiens	on monocytes 1	1	1
89	AB016879	Arabidopsis	contains similarity to pre-	634	36
ı		thaliana	mRNA splicing	1	1 50
1		- CHURTUIU			
			factor-gene_id:MRB17.2		
90	AJ133721	Mus musculus	homeodomain protein	654	57
91	AJ242864	Mus musculus	phtf protein	619	61
92	A61971	unidentified	MCSP	11676	99
93	Y99365				
93	199365	Homo sapiens	Human PRO1250 (UNC633) amino	3890	100
		,	acid sequence SEQ ID NO:86.	1	
94	Y87231	Homo sapiens	Human signal peptide	1031	100
			containing protein HSPP-8	1 ~~~~	200
1		[SEQ ID NO:8.	1	
95				1	
95	AF227741	Rattus	protein kinase WNK1	2428	95
1	1	norvegicus	_		
96	AF227741	Rattus	protein kinase WNK1	1961	94
1		norvegicus	process assess	1301	94
97	Y92513	Homo sapiens	Human OXRE-10.	1626	100
98	AL021366	Homo sapiens	cICK0721Q.3 (Kinesin related	3423	100
		_	protein)		
99	AC005783	Homo sapiens	R33083 1		
			R33083_1	1974	99
100	Y95293	Homo sapiens	Human GEF containing NEK-like	4092	99
	1	1	kinase substrate sGNK.	1	
101	AL118501	Homo sapiens	dJ1191N16.1 (A novel protein	1509	100
	***********	nome suprems	(translation of the cDNA	1309	100
			DKFZp566A0946, Em:AL050069))		
102	AJ006267	Homo sapiens	ClpX-like protein	3233	100
103	AF100753	Homo sapiens	ancient ubiquitous 46 kDa	2042	96
		unparent	protein AUP1	2012	30
104	AB015982				
		Homo sapiens	serine/threonine kinase	4718	100
105	AF151074	Homo sapiens	HSPC240	831	64
106	M35522	Canis	GTP-binding protein (rab7)	354	50
1		familiaris	or ommany process (rab/)	334	30
	-				
107	R99800	Homo sapiens	NTII-1 nerve protein,	2337	93
			facilitates regeneration of		
1			nerve cells.	1	- 1
108	AF125533	Homo sapiens	NADH-cytochrome b5 reductase	1290	93
200	MI TESSSS	none saprens	MADA-Cytochrome D5 reductase	1290	93
			isoform		
109	AC005614	Homo sapiens	F23269 2	3369	99
110	AF064729	Homo sapiens	RAN binding protein 16	3285	100
111	X52425	Homo sapiens	interleukin 4 receptor	4496	100
112	Y41686		Interrenkin a Lecebror		
112	141686	Homo	Human PRO274 protein	2285	100
1 1	1 1	sapiens	sequence.		
113	W15506	Homo sapiens	Mitogen activating protein	1991	100
			kinase BRK1.		~~0
314		Homo sapiens	Human membrane transport	1190	99
114	Y71071	nome aubrems			
			protein, MTRP-16.		
114	Y71071 AL049548			3497	99
		Homo sapiens	dJ398G3.1 (ortholog of rat	3497	99
115	AL049548	Homo sapiens	d0398G3.1 (ortholog of rat CPG2)		
115	AL049548 AF189817	Homo sapiens	dJ398G3.1 (ortholog of rat CPG2) evectin-2	1124	90
115	AL049548	Homo sapiens	d0398G3.1 (ortholog of rat CPG2)		

SEQ	ACCESSION	SPECIES	DESCRIPTION	I SMITH-	
ID	NUMBER			WATERMAN	IDENTITY
NO:				SCORE	
-		sapiens		Doore	
118	AF116618	Homo sariens	PRO1038	1469	100
119	V08915	Homo sapiens	alpha 4 protein	1748	100
120	AF098070	Drosophila	List homolog	192	39
		melanogaster	Libe Monorog	132	3.9
121	AF052432	Homo sapiens	katanin p80 subunit	181	37
122	Y70743	Homo sapiens	PSEQ-1 protein encoded by	2637	98
	170743	HOGO SAPIELS	NSEQ gene associated with matrix remodelling.	2637	98
123	AF083246	Homo sapiens	HSPC028	2:32	100
124	Y27096	Homo sapiens	Human viral receptor protein (ACVRF).	833	99
125	M63109	Leishmania major	glycoprotein 96-92	172	27
126	U75467	Drosophila melanogaster	Atu	935	36
127	268220	Caenorhabdit	Similarity to Human ADP/ATP	438	43
1	i	is elegans	carrier protein	1	1
128	AF095927	Rattus norvegicus	protein phosphatase 2C	1927	94
129	W92958	Homo sapiens	Human zsig44 protein.	463	100
130	AF115391	Lactobacillu	ribokinase RbsK	508	37
		s sakei		1	
131	X93498	Homo sapiens	21-Glutamic Acid-Rich Protein	1250	100
132	X93498	Homo sapiens	21-Glutamic Acid-Rich Frotein	916	87
133	W52811	Homo sapiens	Human DBI/ACBP -like protein (DBIH).	705	97
134	Y84444	Homo sapiens	Arino acid sequence of a human RNA-associated protein.	3230	100
135	M69181	Homo sapiens	non-muscle myosin B	189	20
136	W74882	Homo sapiens		480	100
		-	Human secreted protein encoded by gene 154 clone HE6FL83.		
137	W78200	Homo sapiens	Human secreted protein encoded by gene 75 clone HHGAU81.	855	99
138	AL033520	Homo sapiens	dJ349A12.1 (similar to KIAA0701 protein)	424	39
139	AF020261	Santalum album	proline rich protein	119	30
140	X70394	Homo sapiens	zinc finger protein	1634	100
141	Y06439	Homo sapiens	Human protease HUPM-8.	936	100
142	Z68493	Caenorhabdit is elegans	predicted using Genefinder	3 6 5	42
143	AB018107	Arabidopsis thaliana	ADP-ribosylation factor-like protein	596	65
144	AF161483	Homo sapiens	HSPC134	580	51
145	Y84902	Homo sapiens	A human proliferation and	480	100
146	AB004906		apoptosis related protein.		
		Ipomoea purpurea	transposase	146	20
147	AC007357	Arabidopsis thaliana	F3F19.18	647	31
148	W75155	Homo sapiens	Human secreted protein encoded by gene 41 clone HNTMB13.	1494	98
149	AF056490	Homo sapiens	cAMP-specific phosphodiesterase 8A	3710	99
150	Y58171	Homo sapiens	Human hydrolase homologue HHH-7.	785	99
151	U10397	Saccharomyce	Yhri48wp	515	53
152	X73478	s cerevisiae Homo sapiens	phosphotyrosyl phosphatase	1719	99
153	AL049697	Homo sapiens	activator dJ382II0.5.1 (novel protein	2034	99

IDENTITY	SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH	1 2
MOI	ID	NUMBER		DIDCICIT TON		TDEMTTTV
	NO:					122411211
155				similar to arginvl-tRNA)		
155	154	AF169802	Homo saniens	cytochrome b5 reductage b5P 2	1465	0.0
155	155	X94703				
155 N77404 Homo sapiens Secretar Salivary polypeptide 337 100			Homo gamiene			
155	120	.23/10	nono saprens	change secreted protein	14/1	100
159	150	N77404	Vomo conteno	Convoked riom gene 6.	1000	1
155	130	W 7 7404	nomo sapiens	Secreted salivary polypeptide	937	100
150 J04970	150	V17040	172			
150 304370 Homo saplens carboxypeptidase Precursor 2395 100	123	11/248	nomo sapiens		383	100
151	-			inhibitor-2 (PKI-2).		
162 AL022724 Homo sapiene Alman Alma			Homo sapiens	carboxypeptidase M precursor		
162	161	W54040	Homo sapiens		484	98
Androgen-dependent Expressed Protein Like PutPative Protein Like PutPative Protein Like PutPative Protein Like PutPative Protein Like PutPative Protein Like PutPative Protein Like PutPative Like						1
Protein Like PUPRIVE	162	AL022724	Homo sapiens		1357	100
163						
164 AP125355 Homo sapiens pp21 homolog 193 45 165 AJ250839 Homo sapiens pp21 homolog 105 465 37 165 AJ250839 Homo sapiens Pp21 homolog 10 10 10 165 AJ250839 Homo sapiens Pp21 homolog 10 10 10 166 Loy649 Symcomonas 10 10 10 167 Y73377 Homo sapiens RTEM clone 1944530 protein 1204 100 168 W88645 Homo sapiens Secreted protein encoded by gene 12 clone MUKPC71. 169 AP214731 Romo sapiens Secreted protein encoded by gene 12 clone MUKPC71. 170 AB00871 Homo sapiens ATT-dependent RMA helicase 4402 100 171 V27684 Homo sapiens Conserved protein 166 27 172 AF225346 Homo sapiens Human bereted protein 167 27 173 AF225346 Homo sapiens Human bereted protein 10 174 AF225346 Homo sapiens Human bereted protein 10 175 W7923 Homo sapiens Human bereted protein 10 176 W7933 Homo sapiens Human bereted protein 10 177 Y41675 Homo sapiens Human bereted protein 10 178 Y41674 Homo sapiens Human bere bereted protein 10 179 AF220492 Econo sapiens Human channal-related 1122 100 180 X03084 Homo sapiens Human channal-related 1122 100 181 U79744 Hum muculus Heins H	1 1			Protein LIKE PUTATIVE	ĺ	
165				protein) (isoform 1)	l	
185			Homo sapiens	pp21 homolog	193	45
185	164	G03632				
166			-	ID NO: 7713.		
166	165	AJ250839	Homo sapiens	serine/chreonine protein	1442	21
166			nome supretto		1442	/1
167 Y73377 Homo sapiens HTEM clone 1914530 protein 1204 150 168	166	T.09649	71momonae		100	2.0
168		207017		ZIIIZ	1/3	37
168 W88645 Homo sapiens sequence. 109	167	V72227		HIMDAY - 1 - 104 HIMDA	·	
169	207	1/333/	nomo saprens		1204	100
150	160	700000	W		1	
150 AF214731 Homo sapiens ATP-dependent BNA helicuse 4402 100	100	W88645	Homo sapiens		1084	100
170				gene 112 clone HUKFC71.		
171				ATP-dependent RNA helicase		
thermoautotr ophicum cophicum	170	AE000871		conserved protein	166	27
171	i 1					ļ
172 172 17684 1700 1						
172						ļ
172	171	Y27684	Homo sapiens		821	100
172	.]			encoded by gene No. 118.)	
173			Homo sapiens	HSNFRK	2904	300
174			Homo sapiens	neuroglobin	779	
175 176 177 178	174	D43949	Homo sapiens	This cene is novel.	3202	
176 177 178 179	175	Y07923				
177 Y41875 Romo sapiens Ruman channel-related 100	176	W90338		Human DR1 comologue protein		
177	í			name are nomorogae process.	700	100
178 Y41674 Homo supiems molecule HCMP-3 100	177	V41676		Thuman abannal malabad	2220	L
179 V41674 Homo supiens Human channel-related 936 99		444075	nomo saptems		1122	100
179	270	V41674	W			
179	-/"	147014	nomo sapiens		936	99
180 X03084 Ecco saplens Clerk 1872 St.	770	20000000		molecule HCRN-2.		
180 X03084 Komo sapiens Clq R-chair precursor 1240 100 181 1857344 Mus musculus Mein3 1813 89 183 1857344 Mus musculus Mein3 1813 89 184 1857544 Mus musculus Mein3 1741 86 185 AF033120 Komo sapiens PSI regulated PAX6-72 nuclear 1070 86 186 AF203937 Mus musculus Mein3 185 185 187 W75088 Komo sapiens PSI regulated PAX6-72 nuclear 1899 58 188 AJ292529 Komo sapiens General Regulated PAX6-84 188 39 188 AJ292529 Komo sapiens General Regulated PAX6-84 188 39 190 X54134 Komo sapiens Brockenter Regulated FAX6-84 188 199 191 Y22205 Komo sapiens Protein-tyrosine phosphatase 3705 100 191 W5552 Boso Boso Boso Boso 189 193 W5772 Boso saciens Bussan secretad protein 12 1975 100 193 W87772 Boso saciens Bussan secretad protein 265 99	1/9	AF220492	homo sapiens	krueppel-like zinc finger	4100	99
187 1879-144 Mus maccillus Mel 3 1873 1873 1874 1						
183				Clq B-chain precursor		
184						89
185						86
186					1070	86
186	185	AF033120	Homo sapiens	p53 regulated PA26-T2 nuclear	1389	58
187 W75088	- 1		- 1	protein		
187 W75088 Homo aspiens Ruwan secreted protein 1188 99	186	AF200357	Mus musculus	pantothenate kinase 1 beta	1605	97
188	1.87	W75058	Homo saniens			
ILDBG33. ILDBG33. ILDBG33.				encoded by gene 2 glone	2200	,,
188	1			HIDBG33		í
190 X54134 Romo sapiens rocelarly ryosine phosphatase 3705 100	188	a.T292529	Home ganions		0.101	
191 V22203 Reco sapiens Reconstructions First Resonance Reconstructions Reconstruction Rec						
phosphoprotein, CBPP-1, protein sequence. 192 W63692 Bomo Human secreted protein 12. 1975 100 eaples 193 W87772 Bomo saciens Human serum qluccoorticoid 2605 99				procein-cyrosine phosphatase		
192 M63692 Hono Europe Human secreted protein 12. 1975 100 199	191	122203	nomo sapiens		1083	99
192 W63692 Homo Soviens Human secreted protein 12. 1975 100 193 W87772 Homo saviens Human setum glucocorticold 2695 99	,	1	1			,
sapiens Homo sapiens Human serum glucocorticoid 2605 99	102					
193 W87772 Homo sapiens Human serum glucocorticoid- 2605 199	192	W63692		Human secreted protein 12.	1975	100
regulated kinase (H~SGK2)	100	W87772		Human serum glucocorticoid-	2605	99
polypeptide.	100	W87772		regulated kinase (H-SGK2)	2605	99

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	SPECIES	DESCRIPTION	WATERMAN	IDENTITY
NO:	NOPIDER			SCORE	TORNITIE
194	AF084259	Mus musculus	bromodomain-containing		
194	AF086259	Mus musculus		693	54
			protein BP75		
195	Y00752	Rattus	serine dehydratase (AA 1 -	994	61
		norvegicus	327)		1
196	W95349	Homo sapiens	Human foetal brain secreted	2596	100 -
	1		protein fh170 7.		1
197	AB028859	Homo sapiens	hDj9	1890	100
198	W95633	Homo sapiens	Homo sapiens secreted protein	1614	100
1 100	1133033	none papters	gene clone hm236 1.	1014	100
199	Y44277	Homo	Human nucleic acid methylase-	2096	99
ì		sapiens	2.	1	1
200	AB030039	Homo sapions	hPACPL1	2258	100
201	X54162	Homo sapiens	64 Kd autoantigen	2918	99
202	G02061	Homo sapiens	Human secreted protein, SEQ	558	99
)		I mame supreme	ID NO: 6142.	1	1
203	X13885	Nicotiana	extensin (AA 1-620)	185	33
203	VT2002	tabacum	excensin (AM 1-620)	100	33
204	J04204	Bos taurus	32 kd accessory protein	1837	100
205	J04204	Bos taurus	32 kd accessory protein	1101	100
207	Y87283	Homo sapiens	Human signal peptide	1318	100
			containing protein HSPF-60		
		1	SEQ ID NO:60.	i	i
208	Y02860	Homo sapiens	Fragment of human secreted	936	98
200	102000	nono saprens	protein encoded by gene 65.	230	28
209	AL121889			694	
209	AL121889	Homo sapiens	dJ1076E17.1 (KIAAC823 protein	694	54
l			(continues in AL023803))	1	1
210	AF226732	Homo sapiens	NPD007	1345	76
211	X66295	Mus musculus	Clq C chain	970	73
212	Z29328	Homo sapiens	Ubiquitin-conjugating enzyme	966	100
J			UbcH2		
213	Z29328	Homo sapiens	Ubiquitin-conjugating enzyme	542	98
	22,522	nomo supremo	UbcH2	512	20
214	AJ002030	Homo sapiens	progresserone binding protein	1163	100
215	X70649				
215	270649	Homo sapiens	member of DEAD box protein	3933	100
			family		
216	AF250558	Homo sapiens	claudin-2	1169	99
217	AL021453	Homo sapiens	dJ821D11.1 (PUTATIVE protein)	259	100
218	Y08565	Homo sapiens	UDP-GalNAc:polypeptide N-	3331	99
1			acetylgalactosaminyltransfera		1
l .			se .	i	
219	Y94452	Homo sapiens	Human inflammation associated	2067	100
213	194452	nomo sapiens		2067	100
220			protein		
220	AL035521	Arabidopsis	putative protein	315	42
		thaliana		į .	
221	AL031786	Schizosaccha	putative proline-trna	811	41
1		romyces	synthetase	l	1
Į		pombe		i	
222	AL109736	Schizosaccha	WD repeat protein	626	40
		romyces	repeat precern	000	1.0
l		pombe			
223	X52493	Glycine max	The second secon	136	23
			DNA-directed RNA polymerase		
224	AL035659	Homo sapiens	dJ979N1.1 (dJ979N1.1)	5199	98
225	AB032401	Mus misculus	mmDj4	1761	92
226	AB032401	Mus musculus	mmDi4	1988	92
227	X83502	Saccharomyce	J1007	112	26
		s cerevisiae	52007		
228	X83502	Saccharomyce	J1007	79	25
440	A83502	s cerevisiae	31007	19	25
229	AF143723	Homo saplens	heat shock protein HSP60	2557	99
230	Y66677	Homo	Membrane-bound protein	982	100
		sapiens	PRO828.		
231	AB027466	Homo sapiens	spondin 2	1756	99
232	W95634	Homo	Homo sapiens secreted	1391	100
552	",,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	sapiens	protein.	1331	200
233	W00365				99
		Homo sapiens	Human cyclin Bl.	2218	
234	Y53762	Homo sapiens	A GTP-binding polypeptide	1017	100

SEQ	ACCESSION NUMBER	SPECIES	DESCRIPTION	SMITH-	6
NO:	NUMBER	İ		WATERMAN	IDENTITY
NO:	ļ		designated RAQ.	SCORE	
235	250749	Homo sapiens	veast sds22 homolog	1800	100
236	250749	Homo sapiens	yeast sds22 homolog	1754	98
237	ABC26491	Homo sapiens	PICK1	2137	100
238	AJ270205	Entodinium	putative	114	37
		caudatum	phosphatidylinositol-4-		
	}		phosphate 5-kinase	1	
239	AB030189	Mus musculus	contains transmembrane (TM)	710	93
	1		region and ATP binding region		
240	W56538	Homo sapiens	Human hedgehog interacting	3785	99
	1		protein (HIP).	1	1
241	W56538	Homo sapiens	Human hedgehog interacting	3436	99
			protein (HIP).)
242	AF155107	Homo sapiens	NY-REN-37 antigen	996	99
243	AF155107	Homo sapiens	NY-REN-37 antigen	1005	100
244	AL031320	Homo sapiens	dJ20N2.1 (novel protein	763	99
	1		similar to yeast and		
	1	l	bacterial cytosine		
245	137026	Pattus	deaminase)		
245	037026		sodium channel beta 2 subunit	162	30
246	AL078599	norvegicus			
266	AL078599	Homo sapiens	dJ991C6.1 (novel protein	2391	98
			similar to C. elegans F55A12.9 (Tr:P91086))		
247	U32274	Saccharomyce	Ydr386wp; CAI: 0.12	191	37
447	0322/4	s cerevisiae	Idisoowp; CAI: U.12	191	37
248	Y41719	Homo	Human PRO864 protein	1879	100
	112725	sapiens	sequence.	1075	100
249	AB029434	Homo sapiens	ghrelin precursor	611	100
250	X97831	Rattus	carnitine/acylcarnitine	246	38
		norvegicus	carrier protein	1	
251	W80993	Homo	Human RIP-interacting factor	1724	100
		sapiens	RIF.		100
252	Y94873	Homo	Human protein clone HP02632.	1876	100
		sapiens	_		
253	W59878	Homo sapiens	Amino acid sequence of the	765	100
	ì		cDNA clone AIF-2 (HEBGM49).		
254	AL354533	Leishmania	possible adenylate kinase	265	34
		major			
255	AF233322	Mus musculus	zinc transporter like 2	1916	95
256	Y78113	Homo sapiens	Human cytokine signal	2247	99
		l	regulator CKSR-1 SEQ ID		1
257	AL035539		NO:1.		
45/	AL035539	Arabidopsis thaliana	putative amino acid transport	390	27
258	W74787	Homo sapiens	protein Human secreted protein	1171	100
250	W/2/0/	nomo sapiens	encoded by gene 58 clone	1171	100
			HHFHN61.		
259	AL035689	Homo sapiens	dJ187J11.1 (novel protein	974	100
202	122025005	nono suprema	similar to protein kinase C	374	100
)	inhibitors)	l	
260	AE000909	Methanobacte	serine/threonine protein	363	30
		rium	kinase related protein	500] "
	l i	thermoautotr		l	
		ophicum		1	
261	AL050131	Homo sapiens	hypothetical protein	626	100
262	AF019661	Mus musculus	zeta proteasome chain; PSMA5	1214	100
263	AL035593	Homo sapiens	dJ310J6.1 (novel protein)	821	100
264	AL022318	Homo sapiens	bK150C2.3 (PUTATIVE novel	1.072	100
			protein similar to APOBEC1)		
265	AF205940	Homo sapiens	endomucin	1289	100
266	AL023583	Homo sapiens	dJ500614.1 (novel protein)	789	100
267	AL034548	Homo sapiens	dJ1103G7.3 (novel protein	1888	99
	1		kinase domains containing		1
			protein similar to		
	l		phosphoprotein C8FW)		

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SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
1D	NUMBER	OFSCEED	DESCRIPTION	WATERMAN	IDENTITY
NO:	, toring		1	SCORE	IDBNTITY
268	AF161470	Homo sapiens	HSPC121	1884	
269					98
270	AF161470 X90763	Homo sapiens	HSPC121	1232	96
270	X90763	Homo	HHa5 hair keratin type I	2190	99
		sapiens	intermediate filament		
271	AF207600	Homo sapiens	ethanolamine kinase	1952	100
272	M32334	Homo sapiens	intercellular adhesion	1436	100
i	ì	-	molecule 2		
273	AF161483	Homo sapiens	HSPC134	663	61
274	Y53052	Homo sapiens	Human secreted protein clone	587	100
	133032	ricuo bapacita	df202_3 protein sequence SEQ	20/	100
1		Į.	ID NO:110.	1	1
276	¥77576	L			
276	1//5/6	Homo sapions	Human cytoskeletal protein	762	100
-			(HCYT) (clone 2195418).		1
277	AF077042	Homo sapiens	30S ribosomal protein S7	1269	100
			homolog	1	Į.
278	Y94907	Homo sapiens	Human secreted protein clone	1619	98
1			ca106_19x protein sequence	1	1
			SEQ ID NO:20.		(
279	Y58788	Homo sapiens	Amino acid sequence of a	2801	-99
1			human phosphorylation	2001	1 22
	(I	effector PHSP-20.	1	1
280	275134	Canis	rod transducin		
280	2/5134	familiaris	rod transducin	1816	100
281		ramiliaris			
281	275134	Canis	rod transducin	1718	96
		familiaris		1	
282	AF249873	Homo sapiens	muscle-specific protein	1395	100
283	AL050007	Homo sapiens	hypothetical protein	405	98
284	AF201931	Homo sapiens	DC1	1859	99
285	AF156102	Homo sapiens	ELL complex EAP30 subunit	1318	99
286	Y35897	Homo sapiens	Extended human secreted	1250	99
200	233057	HOMO PAPTETIE	protein sequence, SEQ ID NO.	1250	99
	!		146.		
287	U88954				
		Homo sapiens	HEM45	923	100
288	AL050143	Homo sapiens	hypothetical protein	598	100
289	AJ011098	Homo sapiens	telethonin	574	100
290	Y66724	Homo	Membrane-bound protein	2321	100
1		sapiens	PRO836.		
291	AF034801	Homo sapiens	liprin-alpha4	2565	98
292	AF034801	Homo sapiens	liprin-alpha4	2590	100
293	AL049851	Homo sapiens	dJ889J22B.1 (novel protein	1738	100
1 1	20047032	none sapiens	(isoform 1))	1/38	100
294	Y73348	Homo sapiens			
254	1/3348	Homo sapiens	HTRM clone 839651 protein	1245	99
295			sequence.		
	L11672	Homo sapiens	zinc finger protein	1694	44
296	AL035423	Homo sapiens	dJ2013.1 (brain mitochondrial	1024	79
			carrier protein-1 (BMCP1))		
297	AF198532	Homo sapiens	lymphoid enhancer binding	2173	100
1 1		_	factor-1		
298	AF161417	Homo sapiens	HSPC299	1147	85
299	AF159141	Homo sapiens	breast cancer metastasis-	1236	99
""		Miprella	suppressor 1	****	22
300	U26397	Rattus	inositol polyphosphate 4-		
300	020337	norvegicus	inositoi polypnospnace 4-	160	30
301			phosphatase		
301	AF036145	Homo sapiens	meningioma-expressed antigen	3458	100
1			5	i i	ì
302	Z82022	Homo sapiens	GlcNac-1-P transferase	2067	99
303	AF269232	Mus musculus	butyrophilin-like protein	271	50
1 1			BUTR-1		
304	AJ222644	Arabidopsis	asparaginyl-tRNA synthetase	659	50
		thaliana	asparaganyr -ciain synchecase	037	30
305	AF054180	Homo	hematopoietic cell derived	351	79
	W 034T00	sapiens		351	19
306	2.7040474		zinc finger protein	!	
	AJ272079	Homo sapiens	APOBEC-1 stimulating protein	3056	100
308	Y44486	Homo	Human GPRW receptor	1721	100
		sapiens	polypaptide.		ł
309	AJ131891	Homo sapiens	DNA polymerase mu	2598	100

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	1 5
ID	NUMBER			WATERMAN	IDENTITY
NO:		1		SCORE	1
310	AF293335	Homo sapiens		1248	92
311	AF176525	Mus musculus	F-box protein FBL12	1501	93
312	X57802	Homo sapiens	immunoglobulin lambda light	959 .	81
			chain		
313	Z36715	Homo sapiens	Net	2048	98
314	AF161532	Homo sapiens	HSPC047	727	100
31.5	AF208068	Homo sapiens	kelch-like protein KLHL3a	3046	100
316	766666	Homo	Membrane-bound protein	1166	100
		sapiens	PRO1013.		
317	Y29666	Homo sapiens	Human Ras protein RAPR-1.	1253	98
318	AJ387747	Homo sapiens	sialin	2614	99
319	AF161362	Homo sapiens	HSPC099	224	40
320	Y68773	Homo sapiens	Amino acid sequence of a	2243	99
			human phosphorylation		
			effector PHSP-5.		
321	AJ238379	Homo sapiens	putative TH1 protein	3013	100
322	AB040812	Homo sapiens	protein kinase PAK5	3792	99
323	Y95013	Homo sapiens	Human secreted protein	913	100
			vc48_1, SEQ ID NO:66.		1
324	Y13381	Homo sapiens	Amino acid sequence of	1976	100
			protein PRO271.	1	1
325	Y94944	Homo sapiens	Human secreted protein clone	2305	98
		ł	bf157_16 protein sequence	1	1
			SEQ ID NO:94.		
326	Y76884	Homo sapiens	Retinoblastoma binding	6728	99
			protein-7sequence.	1	1
327	AF198532	Homo sapiens	lymphoid enhancer binding	2173	100
			factor-1	1	1
328	278013	Caenorhabdit	Similarity to Drosophila	569	33
		is elegans	Cadherin-related tumor		
329	AF212921		suppressor		
330	275330	Mus musculus Homo	MMTV receptor variant 1	484	94
330	275330	sapiens]	nuclear protein SA-1	6492	99
		>R65207			
		R65207 02-			
	j	MAR-1995 27-	J		
		AUG-1993			
		Human		1	
		stromalin-1.			
		[Homo			
]	sapiens		1	
331	AL008583	Homo sapiens	dJ327J16.3 (supported by	2133	99
			GENSCAN, FGENES and GENEWISE)	1	,,,
332	Y36104	Homo sapiens	Extended human secreted	310	41
		-	protein sequence, SEQ ID NO.	1	
			489.		
333	AJ271669	Homo sapiens	putative sialcglycoprotease	1747	100
334	AF156598	Mus musculus	p53-regulated DDA3	997	64
335	И99058	Eimeria	em100 gene is homologous the	154	26
		maxima	Eimeria tenella gene et100		
336	Y85564	Homo sapiens	Human homologue of UNC-53	3386	97
		-	(Hs-UNC-53/1) sequence.		
337	Y85564	Homo sapiens	Human homologue of UNC-53	2602	94
		_	(Hs-UNC-53/1) sequence.		
338	Y85564	Homo sapiens	Human homologue of UNC-53	3447	98
		-	(Hs-UNC-53/1) sequence.		
339	Z66561	Caenorhabdit	Similarity to Human rab13	716	34
- 1		is elegans	protein (PIR Acc. No.		
- 1		-	A49647).	1 1	
340	AB021643	Homo	gonadotropin inducible	2761	99
		sapiens	transcription repressor-3	1 77	
	G01946	Homo sapiens	Human secreted protein, SEO	465	98
341					
		-	ID NO: 6027.	1 1	
341 342 343	AF020591 L29154	Homo sapiens	ID NO: 6027. zinc finger protein	1091	48

PCT/US00/34263

WO 01/53312

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER			WATERMAN	IDENTITY
NO:		1		SCORE	1
344	U10281		VDJ region		
344	AX000404	Sus scrofa Homo sapiens	gastric mucin	279	24
346	L22557	Rattus	unnamed protein product calmodulin-binding protein	1177	99
		norvegicus		1949	84
347	L22557	Rattus norvegicus	calmodulin-binding protein	2363	91
348	AL049481	Arabidopsis thaliana	AIG1-like protein	316	30
350	AJ251516	Mus musculus	cysteine and histidine-rich protein	1460	99
351	AK024477	Homo sapiens	FLJ00070 protein	1773	100
352	U50133	Homo sapiens	ankyrin	502	33
353	AK000625	Homo sapiens	unnamed protein product	721	100
354	AF161420	Homo sapiens	HSPC302	2623	97
355	AJ010014	Homo sapiens	M96A protein	1269	47
356	AF151029	Homo sapiens	HSPC195	941	91
357	AL022327	Homo sapiens	dJ355C18.1 (KIAA0027)	1911	100
358	W78128	Homo sapiens	Human secreted protein encoded by gene 3 clone	1117	100
359	X03414	Drosophila	HOSBI96. Kr polypeptide	316	45
360		melanogaster		1	
360	AF151079 Y53886	Homo sapiens	HSPC245	643	100
361	X23886	Homo sapiens	A suppressor of cytokine signalling protein designated HSCOP-6.	530	41
362	AF254741	Drosophila melanogaster	Centaurin Gamma 1A	681	46
363	AF213465	Homo sapiens	dual oxidase	2016	100
364	AF181562	Homo sapiens	proSAAS	1319	100
365	AF181562	Homo sapiens	proSAAS	1024	99
366	U73200	Mus musculus	p116Rip	884	82
367	AF263744	Homo sapiens	erbb2-interacting protein ERBIN	4973	99
368	U37501	Mus musculus	laminin alpha 5 chain	5867	72
369	AF043695	Caenorhabdit is elegans	similar to the protein phosphates 2c family	549	36
370	¥73440	Homo sapiens	Human secreted protein clone yj23_1 protein sequence SEQ ID NO:102.	1484	99
371	AF272833	Homo sapiens	misato	2869	97
372	AF198454	Homo sapiens	epithelial protein lost in neoplasm beta	3927	100
373	¥73345	Homo sapiens	HTRM clone 438283 protein sequence.	273	80
374	AF169017	Homo sapiens	formiminotransferase cyclodeaminase	2717	98
375	A95106	unidentified	RED ALPHA	1202	99
376	W74828	Homo sapiens	Human secreted protein encoded by gene 100 clone HLQAB52.	1012	99
377	¥32131	Homo sapiens	Human LYST-2 protein.	3556	99
378	M14912	Homo sapiens	pol	132	86
379	AF090934	Homo sapiens	PRO0518	382	100
380	X66363	Homo sapiens	serine/threonine protein kinase	2499	100
381	Y41699	Homo sapiens	Human PR0703 protein sequence.	2362	100
382	AF174498	Homo sapiens	GR AF-1 specific protein phosphatase	7008	98
383	U64608	Caenorhabdit is elegans	coded for by C. elegans cDNA yk173c12.5	246	36
384	U50133	Homo sapiens	ankyrin	502	33
385	AJ238520	Homo sapiens	putative transcription factor-like nuclear regulator	4123	97

SBQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	T 9
ID	NUMBER			WATERMAN	IDENTITY
NO:		1		SCORE	
387	AF208845	Homo sapiens	BM-003	1375	99
389	X57821	Homo sapiens	immunoglobulin lambda light	797	76
		Transc capacito	chain	/5/	1 "
390	AF182404	Homo sapiens	mitochondrial uncoupling	1670	99
		name ouprant	protein 1	1070	1 " "
391	Y85564	Homo sapiens	Human homologue of UNC-53	3386	97
302	103304	nono suprens	(Hs-UNC-53/1) sequence.	3300	21
393	AF178432	Homo sapiens	SH3 protein	3700	100
394	AF229928	Drosophila	cytoplasmic protein 89BC	1616	62
374	AC229320	melanogaster	cycopiasmic protein agec	1010	52
395	AF181721	Homo sapiens	RU2S	2254	
396	Y69197	Homo sapiens	Amino acid sequence of a	1625	100
350	109197	none saprens		1626	98
			human betaIV-spectrin		
397	U48238	Mus musculus	protein.		
398	AL390137		zinc finger protein neuro-d4	749	60
399		Homo sapiens	hypothetical protein	263	51
399	AF217525	Homo sapiens	Down syndrome cell adhesion	5337	60
			molecule		
400	AL022599	Schizosaccha	WD repeat protein	447	27
	Í	romyces			
		pombe			1
401	AC004859	Homo sapiens	similar to 2-oxoglutarate	4176	78
i	ł		dehydrogenase ; similar to	1	1
			Q02218 (PID:g1352618)	1	
402	AB010266	Mus musculus	tenascin-X	10246	62
403	AL133288	Homo sapiens	dJ671D7.1 (similar to	761	100
			D.melanogaster C35986		
1	1	Į.	protein)	1	
404	268753	Caenorhabdit	ZC518.3b	888	48
		is elegans			
405	Z78013	Caenorhabdit	Similarity to Drosophila	569	33
i		is elegans	Cadherin-related tumor	l	
l			suppressor		!
406	AB031230	Homo sapiens	protein containing CXXC	1196	97
J		_	domain 2		
407	AF155106	Homo sapiens	NY-REN-36 antigen	1168	100
408	Y57945	Homo sapiens	Human transmembrane protein	1538	99
1			HTMPN-69.		1
409	Z18361	Ovis aries	trichohyalin	184	30
410	AF249744	Homo sapiens	Rhoger	2733	100
411	AF176529	Mus musculus	F-box protein FBX13	2072	94
412	AF210842	Homo sapiens	HARP	4880	100
413	AL031658	Homo sapiens	dJ310013.7 (novel protein	776	98
		supreme	similar to H. roretzi HRPET-	770	1 "
1			3)		i I
414	X573.98	Homo sapiens	pm5 protein	6131	99
415	AB029826	Homo sapiens	3-methylcrotonyl-CoA	2961	99
1.20	1201000	nono suprono	carboxylase biotin-containing	2502 .	33
			subunit		
416	U43503	Saccharomyce	Lphlp	115	42
	010000	s cerevisiae	притр	113	142
417	AL160493	Leishmania	possible t26f17.21	239	35
41.	7LL100493	major	possible czelly.21	239	35
418	Y08100	Homo sapiens	Human PRO331 protein.	330	29
419	U15131	Homo sapiens			
420	AF117946		p126	2228	54
420	VETT 1940	Homo sapiens	Link guanine nucleotide	2363	100
421	AF190635	New No. 107	exchange factor II		
471	WLT20932	Drosophila	ankyrin 2	755	30
	2000000	melanogaster			
422	AF302150	Homo	phosphoinositol 3-phosphate-	1962	100
		sapiens	binding protein-2		
423	AL137530	Homo sapiens	hypothetical protein	433	94
424	X63753	Homo sapiens	son-a	7269	100
425	AB027249	Homo sapiens	MAPKK like protein kinase	1693	100
426	AF279144	Homo sapiens	tumor endothelial marker 7	1084	55
			precursor	1	

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER		PAR CHEE ELON	WATERMAN	IDENTITY
NO:		1		SCORE	202011111
427	AF279144	Homo sapiens	tumor endothelial marker 7	1259	56
			precursor	12.55	56
428	AE003683	Drosophila	CG8312 gene product	149	29
120	122003003	melanogaster	CGG322 gene product	149	29
429	Y07829	Homo sapiens	RING finger protein	2201	99
430	AF096897	Drosophila	pushover	4442	
430	AF090097	melanogaster	pusnover	4442	47
431	041387				
		Homo sapiens	Gu protein	4021	99
432	AF023674	Homo sapiens	nephrocystin	3783	100
433	AF146760	Homo	septin 2-like cell division	2284	100
		sapiens	control protein	1	
434	AB006697	Arabidopsis	cleft lip and palate	886	1 42
		thaliana	associated transmembrane	1	
			protein-like	ł	i
437	Y94247	Homo sapiens	Human calcium binding protein	1704	100
		•	hCBP.		
438	AB040672	Homo sapiens	UDP-GalNAc: polypeptide N-	1075	63
1.00		nome bupicino	acetylgalactosaminyltransfera	1075	63
			se se		
439	AF105228	Bos taurus	tuftelin	285	33
440	R06463				
440	RU6463	Homo sapiens	Derived protein of clone	3073	99
L			ICA13 (ATCC 40553).		
441	X14971	Mus musculus	alpha-adaptin (A) (AA 1-977)	4897	98
442	X53773	Rattus	alpha-c large chain (AA 1-	3979	81
		norvegicus	938)		
443	Y66689	Homo	Membrane-bound protein	3299	99
		sapiens	PRC1136.		
444	AC067754	Arabidopsis	unknown protein; 20348-23707	114	33
		thaliana	amment process, 20040 2010,		33
445	AF229032	Mus musculus	piL	2077	93
446	AF056035	Rattus	s-nexilin	2662	85
440	AF 030035	norvegicus	s-nexiiin	2662	85
447	AF132484	Mus musculus	unknown	478	
448	W89024				51
448	W89024	Homo sapiens	Polypeptide fragment encoded	528	45
			by gene 156.		
449	AF161445	Homo sapiens	HSPC327	1606	100
450	Z68753	Caenorhabdit	ZC518.3b	951	49
		is elegans			
451	W39160	Homo sapiens	Human partial complement	155	32
		_	factor H protein fragment 3.	ł	
452	W85727	Homo	Novel protein (Clone	2799	99
1	ľ	sapiens	BM46 10).		
453	Y53629	Homo sapiens	A bone marrow secreted	2810	100
		F =	protein designated BMS115.		200
454	D87438	Homo	Similar to a C.elegans	4069	100
	207120	sapiens	protein in cosmid C14H10	4009	100
455	AF240468	Homo sapiens	nicastrin	3687	
456	Z15005	Homo sapiens	CENP-E		100
457	M59216	Homo sapiens		13305	99
457	M59216		gamma-aminobutyric acid	2477	100
		sapiens	receptor beta-1 subunit		
458	Y73467	Homo sapiens	Human secreted protein clone	966	100
			yd61_1 protein sequence SEQ		
			ID NO:156.		
459	W67824	Homo sapiens	Human secreted protein	535	100
		-	encoded by gene 18 clone		
			HSLFW29.		
460	AF163151	Homo sapiens	dentin sialophosphoprotein	279	19
		nome supactio	precursor	213	19
461	D87446	Homo sapiens	Similar to a C.elegans	9196	99
102	207440	HOWO SEPTERS	protein encoded in cosmid	9196	99
			protein encoded in cosmid C27F2 (U40419)		į.
462	G04044	Homo sapiens			
402	G04044	Homo sapiens	Human secreted protein, SEQ	486	93
			ID NO: 8125.		
463	AC002398	Homo sapiens	F25965_1	1018	100
464	AF064856	Rattus sp.	7acomp protein	1845	84
465	AF223408	Homo sapiens	B99	3686	99

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER			WATERMAN	IDENTITY
NO:	1	i	•	SCORE	1011111111
466	AF223408	Homo sapiens	R99	2878	87
467	AF104415	Mus musculus	gene trap locus-13	6336	91
468	US3450	Rattus	Jun dimerization protein 1		
1400	033430	norvegicus	JDP-1	196	49
469	AL031297				
		Homo sapiens	dJ97P20.1 (novel gene)	3564	99
470	AF257077	Homo sapiens	eukaryotic translation	1274	95
1			initiation factor EIF2B		
	J	ļ	subunit 3		J
471	L28125	Pcdospora	beta transducin-like protein	284	38
		anserina	_	1	
472	Y84903	Homo sapiens	A human proliferation and	2337	100
1	1	F	apoptosis related protein.	1 2337	200
473	AF144237	Homo sapiens	LOMP protein	252	44
474	Y71213	Homo sapiens	Human irritable bowel disease	838	100
	1,1213	nemo sapiens		828	100
475	¥95006	Homo sapiens	related polypeptide IMX39.		
975	195006	nomo sapiens	Human secreted protein	3411	100
L			vel3_1, SEQ ID NO:52.		
476	D38549	Homo sapiens	hal025 is new	6533	99
477	AF241230	Homo sapiens	TAK1-binding protein 2	3656	100
478	AL031534	Schizosaccha	putative asparagine synthase	482	4.0
1		romyces		i	
1		pombe			
479	L28125	Podospora	beta transducin-like protein	233	26
		anserina	and process	1.77	***
480	AF161544	Homo sapiens	HSPC059	434	77
481	AJ238248	Homo sapiens	centaurin beta2	3996	99
482	Z38061	Saccharomyce			
402	230061	s cerevisiae	mal5, stal, len: 1367, CAI:	295	23
1		s cerevisiae	0.3, AMYH_YEAST P08640		
483			GLUCCAMYLASE S1 (EC 3.2.1.3)	1	
	AF161381	Homo sapiens	HSPC263	1404	100
484	AF223468	Homo sapiens	AD021 protein	1314	100
486	X57527	Hono sapiens	alpha 1(VIII) collagen	4166	99
487	Y19062	Homo sapiens	39k3 protein	2475	100
488	Y73373	Homo sapiens	HTRM clone 921803 protein	555	56
ı	ľ		sequence.	1 000	
489	AL021918	Homo	b3418.1 (Kruppel related Zinc	4184	100
		sapiens	Finger protein 184)	4204	1 200
490	X53773	Rattus	alpha-c large chain (AA 1-	4675	97
		norvegicus	938)	40/5	97
491	U52426	Homo sapiens	GOK	1459	59
492	AL359773	Leishmania			
492	AUSSS//S		possible threonine synthase	702	45
493		major			
	AF226614	Homo sapiens	ferroportini	2929	200
494	Z93241	Homo sapiens	dJ222E13.1 (novel protein	513	96
l			with some similarity to		
			Drosophila KRAKEN)		
495	AF036977	Homo sapiens	unknown	1812	100
496	U93564	Homo sapiens	p40	133	45
497	Y91405	Homo sapiens	Human secreted protein	357	100
			sequence encoded by gene 2		
			SEQ ID NO:126.		
498	AF069781	Drosophila	Bem46-like protein	653	43
150	711 003 701	melanogaster	Bemie-like protein	923	43
499	Y16601	Homo sapiens	Human cell-cycle		
1222	110001	nomo sapiens		1658	98
500			phosphoprotein CECYP-2.		
500	X70944	Homo sapiens	PTB-associated splicing	3883	100
			factor		
501	AF027503	Mus	putative membrane-associated	205	36
		musculus	guanylate kinase 1		
502	AF282874	Homo sapiens	nectin 3; PRR3	2856	99
503	AJ249732	Homo sapiens	G8 protein	669	100
504	AF208861	Homo sapiens	BM-019	1629	100
505	L09708	Homo sapiens	complement component C2	4022	100
507	X66285	Mus musculus	HCL ORF	115	43
508	D00189	Rattus			
200	P00103	norvegicus	Na+,K+-ATPase alpha-subunit	5227	99
		nor Aeditods			

No.	SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	8
No. No.				DESCRIPTION		
		110135510	1			IDENTITY
AD019038 Homo capiens Deta-1,4 mannosyltransferase 781 775	509	V94971	Wome gariang	Fuman cograted protein along		
December December	303	134371	nomo saprens	folial secreted protein clone	2176	100
Section Apoly9038 Homo aspiens Beta-1,4 mannosyltransferase 781 77	i			TD NO.148		
Sil	510	ND010020	Homo appiona		<u> </u>	
Section				Deta-1,4 mannosyltransferase		
				Deta-1,4 mannosyitransterase		
Section				phosphorylase kinase		
Section						
Section	515	AF186084			3046	99
S17				repeat containing protein		
Solid Soli	516	G03602	Homo sapiens	Human secreted protein, SEQ	505	99
Second Seriem Human secreted protein, SEQ 530 100	1					1
	517	004706	Bos taurus	50 kDa protein	1749	77
Decomposition 15 15 15 15 15 15 15 1	518	G00653	Homo sapiens	Human secreted protein, SEO		
Section						
	519	AF161475	Homo saniens		1260	100
S21	520					
No. Proceedings Procedure Procedur			nome bupicino		3334	97
APON Archaeoglobs Archaeoglobs Archaeoglobs Siglidus S	521	AP2668E2	Homo coniene	prote	4000	
233 AF082249 Home sapiens protein (smel) 2950 97						
Name sapiens	366	ALUUUJJS			153	20
S24		20010010				
Ratius	523	AF052249	Homo sapiens		605	97
						1
No.	524	AJ223830		ARE1	2950	98
S26						
Second	525	W01535	Homo sapiens	Cellular homologue of the	1276	83
Second Color Seco	ſ	1			1	1
No.	526	AF145658		BcDNA.GH10229	320	33
See D49387 Homo SAUP dependent Leukotrione D4 1516 100	[melanogaster			
538 D49387 Bomo SADUF dependent Laukotrione bd 1516 100 10	527	AF112213	Homo sapiens	putative Rab5-interacting	524	79
			-	protein		1
	528	D49387	Homo	NADP dependent leukotriene h4	1616	100
Same			sapiens			200
Solution	529	Y30819			320	32
Salar			-	encoded from gene 9	1 520	32
CMCEPPSGA032, SBB189	530	Ab079335	Homo sapiens	d7132F21.3 (72.1 KDa protein	1059	0.0
Similar to nouse IFM-gamma induce M011.				(DKFZP564A032 SBRT88)	1 2035	1 33
S11 Y91506				similar to mouse TEN-gamma		
Syl106	, ,			induce MO11]	i
Section Sect	531	V91506	Homo ganiene	Vimon appreted mustain	1150	4.0
SEQ ID No.179. SEQ ID No.179.		.,	nome suprems	noment secreted protecti	1159	98
\$75116 Caenorhabdit carrier protein (c2) 576 50				SEQUENCE ENCOURED BY GENE 56		
1	532	V76116	Coopenhabelle			
533 X75116 Caenorhabdit Carrier protein (C2) 508 50	332	ATOLLO		carrier protein (cz)	576	50
100 100	E22	V96116				
Name	333	V/0110		carrier protein (c2)	506	50
535 509267 5000 sapiens 5000 properties (494 AA) 572 573 5		W4 4 4 4 2 2				
	334	VT5300	nomo sapiens		1972	100
Sister				propeptide (424 AA)		
Same	535	109267	Homo sapiens		2486	100
DR4224 Home sepiens methicony LERA symthetase 4771 93				monooxygenase 2		
538 D04224 Econo sapiena methicony EDER symbhetane 3937 95						
599 D84224 Home sapiens methicony LBRA symbhetase 2933 95					4741	99
540 D86224 Homo maptems methiciny teNN symbotime 4575 95					3887	99
Be6224 Homo sapiems methicny: ERNA synthetase 6529 99			Homo sapiens	methionyl tRNA synthetase	2933	96
033244 80s Eaurus H+ Afface 31kDa subunit (EC 848 77 3.6.1.3) 80s Eaurus H+ Afface 31kDa subunit (EC 848 77 3.6.1.3) 81s 8			Homo sapiens	methionyl tRNA synthetase	4529	99
542 Y93514 Homo saplems Ruman OKER-11. 2351 99 543 AF221712 Homo Smad - and Olf-interacting 2151 51 544 AE00091 Mcthanobactatic Homo Homo Homo Homo Homo Homo Homo 545 A06669 Synthetic prevGP-Detal 2070 99	541	J03244	Bos taurus	H+ ATPage 31kDa subunit (RC	848	
193514 1900		I			040	
543	542	Y92514	Homo saniens		2201	0.0
S44 AE000919 McLhanchoute sinc finger protein 207 38	543					
544 AE000919 Mcthanobacte conserved protein 207 38	0.0				2151	91
thermonatotr ophicum ophicum pref0F-betal 2070 99	E44	APAGGG C				
thermoautetr cgh1cum	544	JUUJ_J		conserved protein	207	38
ophicum 2070 99 545 A06669 synthetic preTGF-betal 2070 99		,			j	J
545 A06669 synthetic preTGF-beta1 2070 99		1			I	
	EAE	200000				
construct	545	400000		preser-setal	2070	99
			COURTINGE			

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	8
NO:	NUMBER			WATERMAN SCORE	IDENTITY
546	Y02698	Homo sapiens	Human secreted protein	854	98
			encoded by gene 49 clone HTPCS60.		
547	AF112205	Homo sapiens	WSB-1 protein	2275	100
548	X60271	Mus musculus	c-rel	2264	74
549	AC016827	Arabidopsis thaliana	putative GTPase	810	42
550	Y70400	Homo sapiens	Human cell-signalling protein-2.	429	68
551	AB048365	Homo sapiens	NEDD4-like ubiquitin ligase 1	8290	99
552	Y57880	Homo sapiens	Human transmembrane protein HTMPN-4.	1112	95
553	AF119855	Homo sapiens	PRO1847	265	67
554	M17236	Homo sapiens	MHC HLA-DQ alpha precursor	1332	100
555	AL078468	Arabidopsis thaliana	putative protein	540	40
556	AC006963	Homo sapiens	similar to Kelch proteins; similar to BAA77027 (PID:g4650844)	515	44
557	AK024487	Homo sapiens	FLJ00086 protein	1623	98
558	M12140	Homo sapiens	pol gene protein; Xxx	117	48
559	W74825	Homo sapiens	Human secreted protein encoded by gene 97 clone HAQBF73.	225	56
560	X56681	Homo sapiens	junD protein	373	88
561	AF003136	Caenorhabdit is elegans	contains weak similarity to an AMP-binding motif	2926	54
562	AL109839	Homo sapiens	dJ1069P2.3.1 (novel PABPC1 (poly(A)-binding protein)	877	100
563	AF181640	Drosophila melanogaster	BcDNA.GH09817	289	42
564	AF052723	Feline leukemia virus	gag-pol precursor polyprotein gPr80	1547	43
565	AF161472	Homo sapiens	HSPC123	439	44
566	¥28317	Homo sapiens	pt326_4 secreted protein.	3338	100
567	U09848	Homo sapiens	zinc finger protein	1738	100
569	AP155113	Homo sapiens	NY-REN-55 antigen	3603	93
570	AF155113	Homo sapiens	NY-REN-55 antigen	3951	99
571	AL032821	Homo sapiens	dJ55C23.1 (vanin 1)	1821	98
572 573	M69181	Homo sapiens	non-muscle myosin B	7350	99
574	M69181 Y59678	Homo sapiens	non-muscle myosin B	7311	98
	ļ	Homo sapiens	Secreted protein 108-008-5-0- B6-PL.	772	100
575	AL365234	Arabidopsis thaliana	putative protein	788	40
576	AL365234	Arabidopsis thaliana	putative protein	788	40
577	X06745	Homo sapiens	DNA polymerase alpha-subunit (AA 1 - 1462)	7619	99
578	AB041642	Homo sapiens	PAR-6	1342	100
579	D86984	Homo sapiens	similar to yeast adenylate cyclase (S56776)	2446	100
580	AF165124	Homo sapiens	gamma aminobutyric acid A receptor gamma 2	2499	99
581	W88812	Homo sapiens	Polypeptide fragment encoded by gene 58.	2339	99
582	U82319	Homo sapiens	novel ORF	342	100
583	P92219	Homo sapiens (human)	CR1 protein.	11425	99
584	AJ223948	Homo sapiens	RNA helicase	660B	99
585	Y08612	Homo sapiens	88kDa nuclear pore complex protein	3874	99
586	Y42384	Hono sapiens	Amino acid sequence of lv310 7.	1007	37
587	AF129756	Homo sapiens	BAT4	1873	98
				2013	

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1D NO: 588 AF 589 AJ 591 29 592 L7: 593 AF: 594 X5: 595 AL: 596 AL: 597 AE: 59	CCESSION NUMBER P131775 1250865 10808	SPECIES Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens sapiens Homo sapiens	DESCRIPTION Unknown TRESS 2 (d55227.2 (bromodomain- containing 1 (similar to peregrin, RRItal) nuclear hormone seceptor How protein 3 Grandle 1 (similar to peregrin protein 3 Grandle 1 (similar to peregrin protein 3 Grandle 1 (similar to peregrin protein 3 Grandle 1 (similar to peregrin protein 3 Grandle 1 (similar to peregrin protein 3 Grandle 1 (similar to peregrin protein 3 Grandle 1 (similar to peregrin protein 1 Grandle 1 (similar	SMITH- WATERMAN SCORE 1929 2348 4167 1355 9054 4443 212 3653	1DENTITY 99 100 100 100 100 100 100 55
NO: 588 AF 589 AJ 501 29 592 L7 593 AF 594 XS 595 AL 596 Ab 597 AF	7131775 1250865 1280865 1280865 128085 128086 128086 12808 128086 128086 128086 128086 128086 128086 128086 128086 128086 1	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	TESS 2 d05523/2 [bromodosain-containing 1 (similar to perseyrin, RR140)] nuclear hormone receptor PHO finger protein 3 desmocollin type 2a d1796Alo (novel protein) bK407911.2 (adcenergic, beta, receptor kinase 2)	SCORE 1929 2348 4167 1355 9054 4443 212	99 100 100 100 100 100
588 AF 589 AJ 591 29 592 L/// 593 AF 594 X5 595 AL 596 AL 597 AF	7250865 08885 76571 7091622 66807 1137802 0022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	TESS 2 d05523/2 [bromodosain-containing 1 (similar to perseyrin, RR140)] nuclear hormone receptor PHO finger protein 3 desmocollin type 2a d1796Alo (novel protein) bK407911.2 (adcenergic, beta, receptor kinase 2)	1929 2348 4167 1355 9054 4443 212	100 100 100 100 100
589 AJ 591 29 592 L7 593 AF 594 X5 595 AL 596 AL 597 AF	7250865 08885 76571 7091622 66807 1137802 0022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	TESS 2 d05523/2 [bromodosain-containing 1 (similar to perseyrin, RR140)] nuclear hormone receptor PHO finger protein 3 desmocollin type 2a d1796Alo (novel protein) bK407911.2 (adcenergic, beta, receptor kinase 2)	2348 4167 1355 9054 4443 212	100 100 100 100 100
591 29 592 L7 593 AF 594 X5 595 AL 596 AL 597 AF	76571 F091622 66807 6137802 6022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	J55247.2 (bromodomain- containing 1 (similar to peregrin, 8R140)) muclear hormone receptor FWH tinger protein 3 desmocollin type 2a ddfy58L10.1 (novel protein) bK407911.2 (adremergic, beta, receptor kinase 2)	1355 9054 4443 212	100 100 100
592 L77 593 AF 594 X5 595 AL 596 AL	76571 F091622 F6807 F137802 F022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	containing 1 (similar to peregrin, BR140)) muclear hormone receptox FHD finger protein 3 desmocollin type 2a dJ798A10.1 (novel protein) bK407F11.2 (adrenergic, beta, receptor kinase 2)	1355 9054 4443 212	100 100 100
593 AF 594 X5 595 AL 596 AL	F091622 66807 5137802 5022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	peregrin, BR140)) nuclear hormone receptor PHD finger protein 3 desmocollin type 2a dd798A10.1 (novel protein) bK407F11.2 (adrenergic, beta, receptor kinase 2)	9054 4443 212	100
593 AF 594 X5 595 AL 596 AL	F091622 66807 5137802 5022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	muclear hormone receptor PHD finger protein 3 desmocollin type 2a dd798A10.1 (novel protein) bK407F11.2 (adrenergic, beta, receptor kinase 2)	9054 4443 212	100
593 AF 594 X5 595 AL 596 AL	F091622 66807 5137802 5022329	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	PHD finger protein 3 desmocollin type 2a dJ798A10.1 (novel protein) bK407F11.2 (adrenergic, beta, receptor kinase 2)	9054 4443 212	100
594 X5 595 AL 596 AL 597 AF	56807 5137802 5022329 7226048	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	desmocollin type 2a dJ798Al0.1 (novel protein) bK407F11.2 (adrenergic, beta, receptor kinase 2)	4443 212	100
595 AL 596 AL 597 AF	137802 1022329 7226048	Homo sapiens Homo sapiens Homo sapiens Homo sapiens	dJ798A10.1 (novel protein) bK407F11.2 (adrenergic, beta, receptor kinase 2)	212	
596 AL	022329 F226048	Homo sapiens Homo sapiens Homo	bK407F11.2 (adrenergic, beta, receptor kinase 2)		55
597 AF:	226048	Homo sapiens	receptor kinase 2)	3653	
		Homo sapiens			100
		Homo	GLOOS	1	
598 AJ	7278112			2009	99
			putative cell cycle control	335	23
			protein		
		>Y49635			
	i	Y49635 21-		ł	l
		OCT-1999 15-			
		APR-1998		ł	i
	1	Human sdp3.5			
	- 1	protein.		1	1
		[Homo			
		sapiens			
599 Y59	9741	Homo sapiens	Human normal ovarian tissue	1574	99
			derived protein 18.		
	6531	Homo sapiens	integrin alpha 8 subunit	5386	99
601 Y38	8458	Homo sapiens	Human secreted protein	895	100
			encoded by gene No. 20.		
	218584	Homo sapiens	GGA1	3265	100
603 Y13	3115	Homo sapiens	serine/threonine protein	5071	99
			kinase		""
604 ALI	132776	Homo sapiens	dJ393D12.1 (KIAA0776)	2413	99
605 ALC	034452	Homo sapiens	dJ682J15.1 (novel Collagen	1979	100
	i		triple helix repeat		
			containing protein)		
606 Y14	4494	Homo sapiens	aralar1	3465	99
607 AJC		Homo sapiens	OXALL	2603	100
608 X86		Hono	binds directly to adenovirus	3069	100
		sapiens	type 5 ElA protein	3009	100
610 AF1	163572	Homo sapiens	Forssman glycolipid	1865	99
			synthetase	2003	33
611 AF1	161503	Homo sapiens	HSPC154	1261	97
		Ensis minor	nuclear protein	345	30
		Homo sapiens	Human cytoskeleton associated	3668	100
420		nomo saprena	protein 9 (CYSKP-9).	3668	100
614 ALO	022327	Homo sapiens	dJ355C18.1 (KIAA0027)		
				361	94
		Homo sapiens	binding regulatory factor	3203	100
		Mus musculus	kinesin-2	3487	99
		Mus musculus	KIF2 protein	3609	97
			PACT	5936	89
079 X32	2214	Homo sapiens	Extended human secreted	1684	99
ĺ	1		protein sequence, SEQ ID NO.		
			163.		
620 AB0	046382	Mus musculus	testis-abundant finger	199	23
			protein		
621 Y00	0062	Homo sapiens	precursor polypeptide (AA -23	3440	99
			to 1120)		
		Homo sapiens	HDCMD38P	861	100
		Homo sapiens	sortilin	4436	99
624 X61	1100	Homo sapiens	75 kDa subunit NADH	3734	99
		*	dehydrogenase precursor		
	8544	Homo sapiens	75 kda infertility-related	2125	99
625 858			sperm protein		
1	151027	Homo sapiens	HSPC193	582	93
1		Homo sapiens	RII-alpha subunit (AA 1-404)	2079	100
626 AF1 627 X14	1968				
626 AF1 627 X14		Homo sapiens	Human fetal brain cDNA clone	1983	100

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
TD	NUMBER	J. Delino	DIBURTITON	WATERMAN	IDENTITY
NO:	N. O. LIDELLE	i		SCORE	IDENILLI
629	Y50911	Homo sapiens	Human fetal brain cDNA clone	1694	100
			vb7 1 derived protein	1	1 -00
630	AF098786	Ножо	17 beta-hydroxysteroid	1754	100
1		sapiens	dehydrogenase type VII		
631	AL034555	Homo	dJ134019.3 (zinc finger	4273	100
ĺ		sapiens	protein 151 (pHZ-67))		
632	W74826	Homo sapiens	Human secreted protein	794	96
l			encoded by gene 98 clone		1
1	1		HAQBT94.		1
633	AF288288	Homo sapiens	HPT protein	2236	100
634	AF041429	Homo sapiens	pRGR1	823	99
635	X66357	Homo sapiens	serine/threonine protein	1589	100
		_	kinase		
636	Y11284	Homo sapiens	AFX1	2571	98
637	AB004884	Homo sapiens	PKU-alpha	3718	99
638	AJ002303	Homo sapiens	synaptogyrin 1c	1020	100
639	AJ002304	Homo sapiens	synaptogyrin 1b	1002	100
640	AJ002303	Homo sapiens	synaptogyrin 1c	933	94
641	D87682	Homo sapiens	similar to a C.elegans	2676	100
1			protein encoded in cosmid	12070	-00
1			T26A5.		
642	M14660	Homo sapiens	ISG-K54	2473	99
643	X06661	Homo sapiens	calbindin (AA 1-261)	1358	100
644	AF119900	Homo sapiens	PRO2822	185	76
645	AB031048	Drosophila	microtubule associated-	738	27
1	1.0052010	melanogaster	protein orbit	/30	21
646	AF250842	Drosophila	multiple asters	834	29
		melanogaster	marapro ascorb	034	
647	X86691	Homo sapiens	Mi-2 protein	10110	99
648	U67934	Homo sapiens	44.9 kDa protein C18B11	827	96
1		TOMO BUPECINO	homolog	027	30
649	AF236061	Orvetolagus	RING-finger binding protein	3830	91
1		cuniculus	Allo Aliger binding process	3030	
650	AL034553	Homo sapiens	dJ914P20.2 (KIAA0784 protein	5708	100
1	1	nomo suprem	similar to Mus musculus	1 3,00	100
			activity-dependent		i l
l			neuroprotective protein		
i			(Adnp))	ľ	1
653	X14766	Homo sapiens	GABA-A receptor alpha 1	2388	99
			subunit		1
654	AC004614	Homo sapiens	similar to f-spondin proteins	3026	99
1			AB006086 (PID:g2529225)		
655	¥57908	Homo sapiens	Human transmembrane protein	608	99
			HTMPN-32.		
656	234975	Homo sapiens	1d1Cp	3733	100
658	AL050306	Homo sapiens	dJ475B7.2 (novel protein)	1942	99
659	W76734	Homo	Human mDia Rho targeting	781	34
		sapiens	protein.		
660	AF202724	Homo sapiens	Sadl unc-84 domain protein 1	2172	100
661	Z21966	Homo sapiens	mPOU homeobox protein	1529	100
662	AJ242954	Mus musculus	dysferlin	4752	59
663	AF182316	Homo sapiens	myoferlin	6232	99
665	AL161516	Arabidopsis	hypothetical protein	209	30
		thaliana	-71		
667	X59303	Homo sapiens	valyl-tRNA synthetase	3393	99
668	Y13355	Homo sapiens	Amino acid sequence of	3692	100
			protein PRO220.	0000	
669	AB010692	Arabidopsis	contains similarity to endo-	611	52
		thaliana	beta-N-acetylclucosaminidase	011	""
			gene		1 1
671	X56123	Mus musculus	talin	4474	76
672	AB039371	Homo sapiens	mitochondrial ABC transporter	2902	99
			3	1	
673	AF269223	Homo sariens	TCP11	806	42
674	AF229633	Mus musculus	groucho-related protein 4	4053	99
675	L14463	Rattus	'transducin	3619	92
			oz wieduczii	2012	

SEC	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	J. D. D. C. L.	DEDCEMENT FROM	WATERMAN	IDENTITY
NO:		1		SCORE	apantiii
		norveq:cus			
676	AC005757	Homo sapiens	R32611 1	2779	100
677	861069	Homo sapiens	reverse transcriptase	252	65
1	1		homolog=pol (retroviral		
			element}		
678	AF271388	Homo sapiens	CMP-N-acetylneuraminic acid	2273	100
ļ			synthase		
679	X79066	Homo sapiens	ERF-1	1783	100
680	AF118566	Mus musculus	hematopoietic zinc finger	769	50
			protein		
681	Y51415	Homo	Human wild type pKe83 .	2621	99
1		sapiens	protein.		
682	AL133545	Homo sapiens	bA386N14.1 (novel protein	700	68
l			similar to a dual specificity	1	
1)	phosphatase)	J	
683	Y86214	Homo sapiens	Nuclear transport protein	5888	99 .
			clone hfb341 protein		1
			sequence.	1	
684	Y94952	Homo sapiens	Human secreted protein clone	354	98
}			fh116_11 protein sequence		
Ĺ			SEQ ID NO:110.		
685	AL021878	Homo sapiens	dJ257I20.4 (transcription	154	67
	İ		factor 20 (AR1) (KIAA0292)		
			(isoform 2))		
686	AE000198	Escherichia	orf, hypothetical protein	628	100
		coli			
687	M58378	Homo sapiens	synapsin I	3730	99
688	AF039697	Homo sapiens	antigen NY-CO-31	508	98
689	U09355	Oryctolagus	protein phosphatase 2A1 B	2356	99
		cuniculus	gamma subunit		
690	AF155106	Homo sapiens	NY-REN-36 antigen	265	50
691	AC004774	Homo sapiens	D1x-5	1542	100
692	X90530 X90530	Homo sapiens	ragB	1926	99
		Homo sapiens	ragB	1405	99
694	X90530	Homo sapiens	ragB	1590	85
695	G01563	Homo sapiens	Human secreted protein, SEQ	330	100
696	AC011810	Annual Annual Co	ID NO: 5644. Putative methionine	669	52
646	ACUITATO	Arabidopsis thaliana	aminopeptidase	669	52
697	AJ250425	Rattus	Collybistin I	2455	98
09/	AU250425	norvegicus	COLLYBISTIN I	2455	98
698	AB037901	Homo	gens amplified in squamous	5364	99
098	ABUSISUL	sapiens	cell carcinoma-1	5364	99
699	V99401	Homo sapiens	Human PRO1327 (UNQ687) amino	1386	100
033	199401	HOURD SUPTERIS	acid sequence SEQ ID NO:218.	1300	100
701	AF221712	Homo	Smad- and Olf-interacting	6705	100
/01	AFZZI/IZ	sapiens	zinc finger protein	6705	100
702	X83573	Homo sapiens	ARSE	3184	99
703	AJ243274	Homo sapiens	AP-2rep protein	2078	99
704	Y71262	Homo sapiens	Human chondromodulin-like	1697	94
704	171202	nomo saprens	protein, Zchm1.	1097	34
705	Y71262	Homo sapiens	Human chondromodulin-like	1736	99
105	172202	nono suprema	protein, Zchml.	1730	22
706	Y41257	Homo sapiens	Amino acid sequence of long	1060	100
700	.41237	none saprens	human FAIM.	1000	100
707	AL022237	Homo sapiens	bK1191B2.3 (PUTATIVE novel	2030	100
	12000000	nomo suprema	Acyl Transferase similar to	2030	100
i i			C. elegans C50D2.7) (isoform		
			1))		
708	AJ006266	Homo sapiens	AND-1 protein	5942	100
709	G01571	Homo sapiens	Human secreted protein, SEQ	777	99
		apicha	ID NO: 5652.		
710	Y08698	Homo sapiens	ranbp3	2849	98
711	Y68770	Homo sapiens	Amino acid sequence of a	754	99
			human phosphorylation		
			effector PHSP-2.		

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID NO:	NUMBER	Bilding	Dabotti I I ot	WATERMAN SCORE	IDENTITY
712	U93574	Homo sapiens	putative p150	799	59
713	AC004531	Homo sapiens	Gene with similaity to DRAD	2715	99
1			box helicases	1	
714	D89016	Homo sapiens	Neuroblastoma	538	48
715	Y92175	Homo sapiens	Human cardiovascular system	734	98
			associated protein tyrosine phosphatase 2.		
716	AL137013	W			
126	AD13 /013	Homo sapiens	bA311P8.3 (probable uracil phosphoribosyltranferase)	862	100
717	AB035123	Mus musculus	GD1 alpha/GT1a alpha/GO1b	1696	
			alpha synthase		93
718	Y96290	Homo >P40254	Human IGFAM-2 immunoglobulin.	2345	85
-		P40254 25-	1	ł	
		OCT-1984 09-			
		APR-1983			
		Human IgD.			
		[Homo			
719	X07979	sapiens Homo sapiens		1	
		1 ^	integrin beta 1 subunit precursor	4347	99
720	AJ224819	Homo sapiens	tumor suppressor	2149	99
721	Y07595	Homo sapiens	transcription factor TFIIE	2373	100
722	W41565	Homo	Human calpain.	1591	99
İ		sapiens]	-		
1		>W41564			
		W41564 08-		1	
		OCT-1997 05-			
!		APR-1996			
i		Human			
		calpain.			
		[Homo			
		sapiens		}	
723	AF161341	Homo sapiens	HSPC078	1097	98
724	AF187318	Homo sapiens	F-box protein Fbx2	1607	100
		Homo sapiens Caenorhabdit	F-box protein Fbx2 contains simlarity to		
724	AF187318	Homo sapiens	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre-	1607	100
724	AF187318	Homo sapiens Caenorhabdit	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre- mRNA splicing protein PRP31	1607	100
724	AF187318 AC006708	Homo sapiens Caenorhabdit is elegans	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre- mRNA splicing protein PRP31 (GB:272876)	1607 1143	100
724	AF187318	Homo sapiens Caenorhabdit is elegans	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre- mRNA splicing protein PRP31 (GB:272876) contains similarity to	1607	100
724	AF187318 AC006708	Homo sapiens Caenorhabdit is elegans	F-box protein Fbx2 contains simlarity to Saccharomyces cerevisiae pre- mRNMa splicing protein PRP31 (GB:272876) contains simlarity to Saccharomyces cerevisiae pre-	1607 1143	100
724	AF187318 AC006708	Homo sapiens Caenorhabdit is elegans	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre- mRNA splicing protein PRP31 (GB:272876) contains similarity to Saccharomyces cerevisiae pre- mRNA splicing protein PRP31	1607 1143	100
724 725	AF187318 AC006708 AC006708	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans	F-box protein Fbx2 contains simiarity to Saccharomyces cerevisiae pre- mRPMA splicing protein PRF31 (G8:27287) contains simiarity to Saccharomyces cerevisiae pre- mRPMA splicing protein PRF31 (G8:27287)	1607 1143 988	100 46 46
724	AF187318 AC006708	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit Caenorhabdit	F-box protein Fbx2 contains similarity to Saccharomyces cerevisies pre-marNA splicing protein PRP31 (GB:272876) contains similarity to Saccharomyces cerevisiae pre-marNA splicing protein PRP31 (GB:272876) contains similarity to PEam	1607 1143	100
724 725	AF187318 AC006708 AC006708	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans	F-box protein Pbx2 contains Smlarity to Saccharomyces cerevisiae pre- meRNA splicing protein PBP11 (GB:272876) contains simlarity to Saccharomyces cerevisiae pre- GB:272876) Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to	1607 1143 988	100 46 46
724 725	AF187318 AC006708 AC006708	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit Caenorhabdit	F-box protein Fbx2 contains Similarity to Saccharomyces cerevisies pre- manNa splicing protein PRF91 (GS:272876) contains similarity to Saccharomyces cerevisies pre- manNa splicing protein PRF91 (GS:272876) contains similarity to Pram family FF00400 (WD domain, G-bata repeat), score=61.8,	1607 1143 988	100 46 46
724 725	AF187318 AC006708 AC006708	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit Caenorhabdit	F-box protein Pbx2 contains Smlarity to Saccharomyces cerevisiae pre- meRNA splicing protein PBP11 (GB:272876) contains simlarity to Saccharomyces cerevisiae pre- GB:272876) Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to Contains simlarity to	1607 1143 988	100 46 46
724 725 726	AC006708 AC006708 AC006708	Home sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans	F-box protein Fbx2 contains Similarity to Saccharomyces cerevisies pre-manNa splicing protein PRP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre-manNa splicing protein PRP31 (GB:272876) contains similarity to Pramfamily FP00400 (WD domain, G-bata repeat), score-81.8, E-1.4e-20, N-3 JMS	988 950	46
724 725 726 727	AC006708 AC006708 AC024818 AJ005897	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- menNA splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- menNA splicing protein PBP31 menNA splicing protein PBP31 contains similarity to Pfam family PF00400 (WD domain, G-beta repeat), score-81.8, E-1.4e-20, N-3	1607 1143 988 950	46 46 44
724 725 726 727	AC006708 AC006708 AC024818 AJ005897	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- menNA splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- meNA splicing protein PBP31 (GB:272876) contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam contains similarity to PSam September 1, 200 September 2,	1607 1143 988 950	46 46 44
724 725 726 727	AC006708 AC006708 AC024818 AJ005897	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit	F-box protein Pbx2 contains similarity to Saccharcenyces cerevisies pre- meNA splicing protein PBF91 (GB:272876) (GB:272876) CB:272876 CB:2728	1607 1143 988 950	46 46 44
724 725 726 727 728 729	AC006708 AC006708 AC006708 AC024818 AJ005897 Y45377	Momo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- menNA splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- meNA splicing protein PBP31 (GB:272876) contains similarity to Pfam family PF00464 (UP domain, fam	988 950 831 908	100 46 46 44 47
724 725 726 727 728 729	AC006708 AC006708 AC006708 AC024818 AJ005897 Y45377	Momo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- mRNA splicing protein PBP31 (GB:272876) contains similarity to contains similarity to GB:272876 Contains similarity to Pram family PF00400 (MD domain, G-bata repeat), score-81.8, E-1.40-20, N-3 JNG JRS Tragment encoded from gene 27. Human gecreted protein, SEO	988 950 831 908	100 46 46 44 47
724 725 726 727 728 729 730	AC006708 AC006708 AC006708 AC024818 AJ005897 Y45377 G03831	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre- menNA splicing protein PBF31 (GB:272876) contains similarity to Saccharomyces cerevisiae pre- meNA splicing protein PBF31 (GB:272876) contains similarity to Pfam family FF00400 (WD domain, Galta respeat), score-61.8, Galta respeat), score-61.8, JRS JRS JRS JRS JRS JRS JRS JRS JRS JRS	988 950 831 908	46 46 44 47 97
724 725 726 727 727 728 729	AC006708 AC006708 AC006708 AC024818 AJ005897 Y45377 G03831	Home sapiens Home sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Home sapiens Home sapiens Home sapiens Oncorhynchus	F-box protein Pbx2 contains Smilarity to Saccharomyces cerevisies pre- marNa splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- contains similarity to Saccharomyces cerevisies pre- GB:272876) Contains similarity to Pfam family PF00400 (WD domain, G-bata repeat), score-81.8, E-1.4e-20, N-3 JMS JMS JMS JMS JMS JMS JMS JMS JMS JMS	988 950 831 908	46 46 44 47 97
724 725 726 727 728 729 730 731	AP187318 AC006708 AC006708 AC006708 AC024818 AJ005837 Y45377 G03531 AB012720 W73404	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Omcorhynchus masou	F-box protein Fbx2 contains similarity to Saccharomyces cerevisiae pre- menNA splicing protein PRP31 (GB:272876) contains similarity to Saccharomyces cerevisiae pre- menNA splicing protein PRP31 (GB:272876) contains similarity to Pram family FF00400 (WD domain, G-beta repeat), score-80.8, G-beta repeat), score-80.8, G-beta repeat), score-80.8, MS3 MS4 Muman secreted protein fragment encoded from gene 27. Human secreted protein, SEQ ID NO: 8012. GTP-binding protein	988 950 950 831 908 578	46 46 44 47 97
724 725 726 727 728 729 730	AP187318 AC006708 AC006708 AC006708 AC024818 AJ005837 Y45377 G03531 AB012720	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Omcorhynchus masou	F-box protein Pbx2 contains Smilarity to Saccharomyces cerevisies pre- markl splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- contains similarity to Saccharomyces cerevisies pre- GB:272876) Contains similarity to Pfam fcB:272876 Contains similarity to Pfam fcmily PF00400 (WD domain, G-bata repeat), score-81.8, E-1.4e-20, N-3 JMS JMS JMS JMS JMS JMS JMS JMS JMS JMS	988 950 950 831 908 578	46 46 44 47 97
724 725 726 727 728 729 730 731 732	AP187318 AC006708 AC006708 AC024818 AJ005837 Y45377 G03931 AB012720 W73404 G02650	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- meNA splicing protein PBF91 (GB:272876) (GB:272876) Contains similarity to Contains similarity to Contains similarity to Contains similarity to Contains similarity to Pfam family PF00400 (MD domain, G-bata repeat), score-81.8, El-14-20, Na3 Suman accreted protein Fragment encoded from gene 27. Human secreted protein, SEO ID NO: 8012. CTT-Filming protein Human secreted protein Human secreted protein, SEO Human secreted protein, S	988 950 831 908 578 3865 862	150 46 46 44 47 97 100 76 97
724 725 726 727 728 729 730 731	AP187318 AC006708 AC006708 AC006708 AC024818 AJ005837 Y45377 G03531 AB012720 W73404	Homo sapiens Omeorichynchus Mason Homo sapiens Omeorichynchus Mason Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Caenorhabdit Caenorhabdit Caenorhabdit Caenorhabdit	F-box protein Pbx2 contains Similarity to Saccharomyces cerevisies pre- manNa splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- manNa splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- manNa splicing protein PBP31 contains similarity to Pfam family PF00400 (WD domain, G-bata repeat), score-81.8, E-1.4e-20, N-3 JMS Human secreted protein fragment encoded from gene 27. Human secreted protein, SEO ID NO: SEO: GTP-Dinding protein encoded by Gene No. 8, Human secreted protein, ENG TD NO: 6731. Human secreted protein, SEO ID NO: 6731.	988 950 831 908 578 3865 862	150 46 46 44 47 97 100 76 97
724 725 726 727 728 729 730 731 732 733 734	AP187318 AC006708 AC006708 AC024818 AJ005837 Y45377 G03931 AB012720 W73404 G02650	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- meNA splicing protein PBF91 (GB:272876) (GB:272876) Contains similarity to Contains similarity to Contains similarity to Contains similarity to Contains similarity to Pfam family PF00400 (MD domain, G-bata repeat), score-81.8, El-14-20, Na3 Suman accreted protein Fragment encoded from gene 27. Human secreted protein, SEO ID NO: 8012. CTT-Filming protein Human secreted protein Human secreted protein, SEO Human secreted protein, S	1607 1143 988 950 950 831 908 578 3865 862	100 46 46 44 47 97 100 76 97
724 725 726 727 728 729 730 731 732	AP187318 AC006708 AC006708 AC024818 AJ005837 Y45377 G03931 AB012720 W73404 G02650	Homo sapiens Omeorichynchus Mason Homo sapiens Omeorichynchus Mason Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Caenorhabdit Caenorhabdit Caenorhabdit Caenorhabdit	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- manNa splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- manNa splicing protein PBP31 (GB:272876) contains similarity to Saccharomyces cerevisies pre- manNa splicing protein PBP31 (GB:272876) (GB:2	1607 1143 988 950 950 831 908 578 3865 862	100 46 46 44 47 97 100 76 97
724 725 726 727 728 729 730 731 732 733 734	AC006708 AC006708 AC006708 AC006708 AC024818 AJ005837 Y45377 G03931 AB012720 W73404 G02550 AC024813	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Caenorhynchus massou Homo sapiens Caenorhynchus tassou Caenorhynchus tassou Caenorhabdit is elegans	F-box protein Pbx2 contains Smilarity to Saccharomyces cerevisies pre- meRNA splicing protein PRP91 (GB:272876) contains Simlarity to contains Simlarity to contains Simlarity to contains Simlarity to GB:272876) Contains Simlarity to Pram family PF00400 (MD domain, G-bata repeat), score-81.8, E-1.4e-20, N-3 JMS Human secreted protein from gene f	988 988 950 950 950 831 965 862 644	46 46 47 97 100 76 97 24
724 725 726 727 728 729 730 731 732 733 734	AC006708 AC006708 AC006708 AC006708 AC006708 AC006708 AC024818 AJ005897 Y45377 G03931 AB012720 M73404 G02650 AC024813 AL035461	Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	F-box protein Pbx2 contains similarity to Saccharomyces cerevisies pre- meNA splicing protein PBF91 (GB:272876) (GB:272876) (GB:272876) GRID STATES S	988 988 950 831 908 831 908 578 3865 862 644 152	46 46 47 97 100 76 97 24
724 725 726 727 728 729 730 731 732 733 734	AC006708 AC006708 AC006708 AC006708 AC024818 AJ005837 Y45377 G03931 AB012720 W73404 G02550 AC024813	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Caenorhabdit is elegans Homo sapiens Caenorhabdit Caenorhabdit	F-box protein Pbx2 contains Smilarity to Saccharomyces cerevisies pre- mental spiling protein PBP31 (GB:272876) Contains similarity to Saccharomyces cerevisies pre- secontains similarity to Saccharomyces cerevisies pre- GB:272876) Contains similarity to Pram fcB:272876) Contains similarity to Pram fcB:272876) Contains similarity to Pram fcB:272876, N-3 JMS Human secreted protein gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded protein, SEO ID NO: 8012. GTP-binding protein Human secreted protein, SEO ID NO: 6731. Hyporhetical protein GWyotherical protein AUSG 77821.6 (novel CDP-alcohol phosphatidyltranniferase family member protein) similar to Sc. cerevisies YUD2 Similar to Sc. cerevisies YUD2	988 988 950 950 950 831 965 862 644	46 46 47 97 100 76 97 24
724 725 726 727 728 729 730 731 732 733 734 735	AC024818 AC06708 AC024818 AC06708 AC024818 AJ005897 Y45377 AB012720 H73404 G02550 AC024813 AL035461	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Caenorhynchus Massapiens Caenorhabdit is elegans Homo sapiens Caenorhabdit is elegans Homo sapiens Caenorhabdit is elegans Homo sapiens Caenorhabdit is elegans	F-box protein Pbx2 contains similarity to Saccharcenyces cerevisies pre- meNA splicing protein PBP31 (GB:272876) (GB:272876) (GB:272876) GB:272876) GB:272876 GB:27287	988 950 631 968 631 968 643 152 152 669 669	46 46 47 97 100 76 97 24 98
724 725 726 727 728 729 730 731 732 733 734	AC006708 AC006708 AC006708 AC006708 AC006708 AC006708 AC024818 AJ005897 Y45377 G03931 AB012720 M73404 G02650 AC024813 AL035461	Homo sapiens Caenorhabdit is elegans Caenorhabdit is elegans Caenorhabdit is elegans Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Caenorhabdit is elegans Homo sapiens Caenorhabdit Caenorhabdit	F-box protein Pbx2 contains Smilarity to Saccharomyces cerevisies pre- mental spiling protein PBP31 (GB:272876) Contains similarity to Saccharomyces cerevisies pre- secontains similarity to Saccharomyces cerevisies pre- GB:272876) Contains similarity to Pram fcB:272876) Contains similarity to Pram fcB:272876) Contains similarity to Pram fcB:272876, N-3 JMS Human secreted protein gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded from gene fragment encoded protein, SEO ID NO: 8012. GTP-binding protein Human secreted protein, SEO ID NO: 6731. Hyporhetical protein GWyotherical protein AUSG 77821.6 (novel CDP-alcohol phosphatidyltranniferase family member protein) similar to Sc. cerevisies YUD2 Similar to Sc. cerevisies YUD2	988 988 950 831 908 831 908 578 3865 862 644 152	46 46 47 97 100 76 97 24 98

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	3
ID	NUMBER	SEECTED	Discitle 1 ton	WATERMAN	IDENTITY
NO:	MONISER			SCORE	TDEMILIT
738	A/T131712		nucleolar RNA-helicase	2793	100
		Homo sapiens			
739	AJ133115	Homo sapiens	TSC-22-like protein	2054	99
740	X98258	Homo sapiens	M-phase phosphoprotein 9	953	100
741	X98258	Homo sapiens	M-phase phosphoprotein 9	564	74
742	U97191	Caenorhabdit	strong similarity to the YPT1	960	85
	05/454	is elegans	sub-family of RAS proteins		
743	X76057	Homo sapiens	phosphomannose isomerase	2191	100
744	G03209	Homo sapiens	Human secreted protein, SEQ	496	98
744	G03209	Homo sapiens		496	98
)	l .		ID NO: 7290.		
745	X97064	Homo sapiens	Sec23 protein	4034	99
746	W93946	Homo sapiens	Human regulatory molecule	994	100
			HRM-2 protein.		
747	Y73388	Homo sapiens	HTRM clone 3376404 protein	1565	99
141	1/3300	HOMO Sapiens	sequence.	1203	, , ,
				1906	98
748	M19529	Sus scrofa	follistatin A		
749	AJ249457	Trichomonas	centrin, putative	183	28
ľ		vaginalis		ľ	
750	AC004410	Homo sapiens	fog39554 1	2094	100
751	AF074968	Homo sapiens	p47ING3 protein	2167	100
752	AF252284	Homo sapiens	transcription specificity	4005	100
152	AF 252284	Homo sapiens		4005	100
			factor Spl		
753	AB049629	Homo sapiens	phospholysine	1375	99
ŀ			phosphohistidine inorganic	i	
1			pyrophosphate phosphatase	J	Į.
754	D79205	Homo sapiens	ribosomal protein L39	160	77
755	AB008430	Homo sapiens	CDEP	142	29
758				574	80
	L32162	Homo sapiens	transcription factor		
759	AF037204	Homo sapiens	RING zinc finger protein	295	54
760	Y44250	Homo	Human cell signalling	625	100
Į.		sapiens	protein-13.		
761	AF218586	Homo sapiens	Cide-b	1136	100
762	U38934	Gallus	histone H2A	625	97
1	030334	gallus	TELECORE TREE	***	
763	AF226053		HSKM-B	606	32
		Homo sapiens			
764	X13403	Homo sapiens	Oct-1 protein (AA 1 - 743)	3626	100
765	D87446	Homo sapiens	Similar to a C.elegans	568	38
l .		ł	protein encoded in cosmid		
l	1	1	C27F2 (U40419)	l	
766	AL023828	Caenorhabdit	Y17G7B.14	200	27
1.00	112000000	is elegans	121012121		
767	Y82777	Homo sapiens	Human chordin related protein	2551	99
/0/	102///	nomo saprens	Human Chordin teraced procern	2331	22
			(Clone dw665_4).		
768	X92475	Homo sapiens	ITBA1	1429	100
769	Y42752	Homo sapiens	Human calcium binding protein	1426	100
1			3 (CaBP-3).	1	
770	X51416	Homo sapiens	hormone receptor hERR1 (AA 1-	2641	97
1			521)	1	1
771	AJ006591	Homo sapiens	cysteine-rich protein	1793	100
				935	
772	A08695	Homo sapiens	rap2		100
773	Z12173	Homo sapiens	N-acetylglucosamine-6-	2970	100
Į.		l	sulphatase		
774	Y91950	Homo sapiens	Human cytoskeleton associated	565	43
1		1	protein 5 (CYSKP-5).	1	1
776	AL023799	Homo sapiens	dJ322P7.1 (zinc finger)	855	56
777	AL023799			855	56
		Homo sapiens	dJ322P7.1 (zinc finger)		
778	G01880	Homo sapiens	Human secreted protein, SEQ	849	98
I	1	1	ID NO: 5961.	I	1
779	AJ012590	Homo sapiens	glucose 1-dehydrogenase	4155	99
780	AL078582	Homo sapiens	dJ130E4.2 (KTAAD796)	1321	68
781	275955	Caenorhabdit	similar to mitochondrial	384	34
1 '01	2/3755	is elegans		204	1
			carrier protein		
782	AL109965	Homo	dJ1121G12.2 (SCAN domain-	900	1.00
1	1	sapiens	containing 1 protein)		1
783	AF061262	Mus	semaF cytoplasmic domain	1316	83
I		musculus	associated protein 2		1
784	G03873	Homo sapiens	Human secreted protein, SEQ	649	95
		I Pupacitis	Decided plotest, one	1	

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER		1	WATERMAN	IDENTITY
NO:				SCORE	
			ID NO: 7954.		
785	Y84441	Homo sapiens	Amino acid sequence of a	2074	100
		1 -	human RNA-associated		
			protein.		
786	Y00918	Homo sapiens	Human Rab protein, RABP-1,	1048	99
1			protein sequence. ribonuclease HI large subunit		1
787	Z97029	Homo sapiens	ribonuclease HI large subunit	1548	99 .
788	AB035384	Homo sapiens	SRp25 nuclear protein	962	94
789	AF024631	Homo sapiens	ANG2	2644	100
790	AJ006710	Rattus	phosphatidylinositol 3-kinase	4508	97
		norvegicus			
792	V00638	bacteriophag	reading frame ea10	600	100
		e lambda			
793	AF049103	Homo sapiens	Huntingtin interacting	819	100
795	Z26317		protein		
795	226317 Y76884	Homo sapiens	desmoglein 2 Retinoblastoma binding	4810	99
796	176884	Home sapiens		5080	99
797	D15155	Gallus	protein-7sequence.	372	
191	015155	gallus	trypsinogen	372	37
798	U97189	Caenorhabdit	strong similarity to thw	227	28
/98	097189	is elegans	P13/P14 family of kinases	221	28
799	AF112201	Homo sapiens	neuronal protein NP25	1053	100
800	AF234765	Rattus	serine-arginine-rich splicing	958	63
800	AE 234/05	norvegicus	regulatory protein SRRP86	958	63
801	AF267852	Homo sapiens	placental protein 13-like	743	99
002	ALZOTOSZ	nono saprens	protein	/43	33
802	AF208851	Homo sapiens	BM-009	766	80
803	Z81097	Caenorhabdit	Similarity to Human	152	27
		is elegans	retinoblastoma-binding	100	
			protein RBAP46 vk662d12.5		
	i .	İ	protein RBAP46 yk662d12.5 comes from this gene	ľ	
804	G02113	Homo sapiens	Human secreted protein, SEQ	496	98
			ID NO: 6194.		
805	AL121673	Homo sapiens	bA305P22.1 (novel protein)	1160	100
806	AC013483	Arabidopsis	putative GTPase activator	264	30
		thaliana	protein		
807	AC013483	Arabidopsis	putative GTPase activator	264	30
		thaliana	protein	1)
808	AB013885	Homo sapiens	beta-ureidopropionase	1494	100
809	AF078842	Homo sapiens	HOTTL protein	1581	99
810	AF161421	Homo sapiens	HSPC3 03	2134	96
811	AF261689	Homo sapiens	DNA polymerase epsilon p17	734	100
		l	subunit		L
812	Z74029	Caenorhabdit	Similarity to C. elegans	610	71
l		is elegans	alcohol dehydrogenase comes		
813	273497	ļ <u>.</u>	from this gene		
813	2/349/	Homo sapiens	cU240C2.2 (Core histone	324	100
814	W87689	Home	H2A/H2B/H3/H4) Human HTXFT19 polypeptide.	1484	99
914	NB /689	sapiens	Human HTXFII9 polypeptide.	1484	99
815	X16282	Homo	zinc finger protein (217 AA)	1109	99
013	ALGEGE	sapiens	(1 is 2nd base in codon)	1109	99
816	292539	Mycobacteriu	pth	300	26
0.10	224333	mycobacteriu m	pen	300	36
		tuberculosis		j	ĺ
818	AB030483	Mus musculus	B9	197	27
819	AL117555	Homo sapiens	hypothetical protein	321	94
820	AC005328	Homo sapiens	R26660_2, partial CDS	865	97
821	G03951	Homo sapiens	Human secreted protein, SEQ	700	99
022	005531	TOWN SUDTEUR	ID NO: 8032.	1 ′00	22
822	L34807	Musca	transposase	174	20
	1 -54007	domestica		1***	
823	G02928	Homo sapiens	Human secreted protein, SEC	558	78
		Suprens	ID NO: 7009.	1 550	1
824	299531	Schizosaccha	caffeine-induced death	184	29

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	1
ID	NUMBER	O. GOZAGO	DESCRIPTION	WATERMAN	IDENTITY
NO:	TO TO THE	1	1	SCORE	IDENTITY
NO:		romyces	protein 1	SCORE	
1		pombe	protein I		
					1
825	AJ006692	Homo sapiens	ultra high sulfer keratin	693	68
826	U23037	Oryctolagus	eIF-2Bepsilon	3406	90
1	1	cuniculus			
827	G03412	Homo sapiens	Human secreted protein, SEQ	464	100
		1	ID NO: 7493.		
828	Y30827	Homo sapiens	Human secreted protein	113	44
			encoded from gene 17.	1	
829	Y32199	Homo sapiens	Human receptor molecule (REC)	1012	100
023	132133	Homo saprens		1012	100
			encoded by Incyte clone 2022379.		
	W78279				
830	W78279	Homo sapiens	Fragment of human secreted	1264	99
	<u> </u>		protein encoded by gene 33.	1	(
832	AB011542	Homo sapiens	MEGF9	2097	100
833	G02639	Homo sapiens	Human secreted protein, SEQ	223	70
			ID NO: 6720.		
834	AF119664	Homo sapiens	transcriptional regulator	1574	100
1		I momo bupacato	protein HCNGP	2074	1200
835	AF119664	Homo sapiens	transcriptional regulator	1144	89
035	WL113004	nono sapiens		1144	89
L			protein HCNGP		
836	AF119664	Homo sapiens	transcriptional regulator	1448	94
			protein HCNGP		
837	X12517	Homo sapiens	C protein (AA 1-159)	918	100
838	U32865	Drosophila	linotte protein	164	24
		melanogaster	-	l .	
839	AF067730	Homo sapiens	TLS-associated protein TASR-2	631	56
840	U27831	Homo sapiens	striatum-enriched phosphatase	2840	98
841	AF286366	Homo sapiens	CamKI-like protein kinase	1796	100
842	G02309	Homo sapiens	Human secreted protein, SEQ	278	98
042	602309	Homo sapiens		278	98
843			ID NO: 6390.		
843	AE003615	Droscphila	ade3 gene product	113	48
		melanogaster			
844	G01350	Homo sapiens	Human secreted protein, SEQ	629	100
1			ID NO: 5431.		1
845	U27838	Mus wusculus	glycosyl-phosphatidyl-	3305	96
l			inositol-anchored procein		
ļ		l	homolog	1	J
847	Y87788	Homo sapiens	Human RBP-26 protein.	2026	100
848	AF164794	Homo sapiens	Diff33 protein homolog	2398	100
849	U41315	Homo sapiens	ZNF127-Xp	2458	93
850	AF192784				
		Homo sapiens	makorin 1	2062	97
851	Y58628	Homo sapiens	Protein regulating gene	1548	100
			expression PRGE-21.	1	
852	Z22968	Homo sapiens	M130 antigen	6205	100
853	Z22971	Homo sapiens	M130 antigen extracellular	6380	100
	1	-	variant		
854	G03362	Homo sapiens	Human secreted protein, SEQ	330	96
		nome paparona	ID NO: 7443.	1 330	20
855	G03362	Homo sapiens	Human secreted protein, SEO	203	100
035	005502	Monto Bapacina	ID NO: 7443.	203	100
856	AF285118	Homo sapiens	CGI-203		
857				452	100
857	AC006069	Arabidopsis	putative cleavage and	1383	55
		thaliana	polyadenylation specifity		
			factor		
858	AL021546	Homo sapiens	Cytochrome C Oxidase	593	100
		-	Polypeptide VIa-liver		
			precursor (EC 1.9.3.1)		
859	L02956	Xenopus	ribonucleoprotein	1664	85
		laevis	ribonicicoprocern	2004	0.5
860	AF201947	Homo sapiens	MEK binding partner 1	616	100
861	L31783	Mus musculus			
			uridine kinase	1266	92
862	AF161472	Homo sapiens	HSPC123	602	73
863	Z49068	Caenorhabdit	mitochondrial carrier protein	370	43
		is elegans			
864	AF154108	Homo sapiens	tumor necrosis factor type 1	3559	99

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
TD	NUMBER	Dr. Du. Bo	DESCRIPTION .	WATERMAN	IDENTITY
NO:		ł .	i	SCORE	TINENTITI
1101		 	receptor associated protein	SCORE	
865	AE001530	Helicobacter	putative	230	
1 003	MEGGT230	pvlori J99	putative	230	32
866	X57807	Homo sapiens			
866	X5 /80 /	HCmo sapiens	immunoglobulin lambda light	699	91
867			chain		1
86.7	AL031673	Homo sapiens	dJ694B14.1 (PUTATIVE novel	4066	99
1			KRAB box protein with 18 C2H2		
			type Zinc finger domains)		
868	Y11652	Homo sapiens	phosphate cyclase	238	100
869	AF192968	Homo sapiens	high-glucose-regulated	3041	99
i	1	1	protein 8		1
870	AB020648	Homo sapiens	KIAA0841 protein	3237	99
871	AL031427	Homo sapiens	dJ167A19.1 (novel protein)	1608	100
872	AF151534	Homo sapiens	dore histone macroH2A2.2	1866	200
873	AL021331	Homo sapiens	dJ366N23.1 (putative C.	1129	100
073	ADOZISSI	HOWO SEPTEMS	elegans UNC-93 (protein 1,	1129	100
			C46F11.1) LIKE protein)		i
874	X14608	ļ.,			
875		Homo sapiens	propionyl-CoA carboxylase	3579	100
875	AL117334	Homo sapiens	dJ687F11.1 (novel protein	306	100
1	1	l .	(part of translation of cDNA	1	1 '
			DKFZp434N061, Em:AL110249))		
876	X79489	Saccharomyce	E-925 protein	446	35
		s cerevisiae			1
877	Y53001	Homo sapiens	Human secreted protein clone	811	100
1	i		dn834 1 protein sequence SEQ		
ł			ID NO:8.		1
878	AF281064	Homo sapiens	CHMP1.5	957	100
879	X79417	Sus scrofa	40S ribosomal protein S12	687	100
880	AF001317	Saccharomyce	Soilp	478	28
		s cerevisiae			
881	Y87275	Homo sapiens	Human signal peptide	2547	100
			containing protein HSPF-52	2347	200
			SEQ ID NO:52.		
882	M14036	Homo sapiens	C1-inhibitor	598	77
883	AB041261	Homo sapiens	calcium-independent	2903	100
005	12012002	none supreme	phospholipase A2	4903	100
884	AP020313	Mus musculus	proline-rich protein 48	999	84
885	Y10936	Homo sapiens	hypothetical protein	1104	99
886	AF073997	Mus musculus	hypothetical protein		
506	AF0/399/	Mus musculus	myotubularin related protein	866	36
887			1		
887	Y57893	Homo sapiens	Human transmembrane protein	1099	94
L			HTMPN-17.		
888	AL117635	Homo sapiens	hypothetical protein	929	99
889	AF210317	Homo sapiens	facilitative glucose	2046	99
			transporter family member		
1	l		GLUT9		
890	Y36031	Homo sapiens	Extended human secreted	583	100
			protein sequence, SEO ID NO.		
1	J	J.	416.		
891	¥36031	Homo sapiens	Extended human secreted	192	57
			protein sequence, SEO ID NO.		
			416.		
892	AF237631	Homo sapiens	ubiquitous tropomodulin U-	1798	100
		none copacite	Tmod	1,50	200
B93	AF090929	Homo sapiens	PRO0477p	653	99
894	AL031228	Homo sapiens	dJ1033B10.2 (WD40 protein	3196	100
0.54	ALLU31226	nomo sapiens		3195	100
			BING4 (similar to S.		
			cerevisiae YER082C, M. sexta		
			MNG10 and C. elegans F28D1.1)		
895	AL031228	Homo sapiens	dJ1033B10.2 (WD40 protein	2825	96
			BING4 (similar to S.		
			cerevisiae YER082C, M. sexta MNG10 and C. elegans F28D1.1)		
			MNG10 and C. elegans F28D1.1)		
896	AF171102	Homo sapiens	retinal degeneration B beta	1302	95
897	AE003551	Drosophila	CG18176 gene product	633	33
		melanogaster	-		

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	SEECEMO	DESCRIPTION	WATERMAN	IDENTITY
NO:				SCORE	TDENTITY
898	AJ237946	Homo sapiens	DEAD Box Protein 5	2443	100
899	297184	Homo sapiens	HKE2	624	100
900	297184	Homo sapiens	HKE2	409	98
901	AJ245587	Homo sapiens	Kruppel-type zinc finger		
902	AF091034	Homo sapiens	GTP-binding protein RAB22A	1942	100
903	R95953	Homo sapiens		1011	100
303	Kanan	Homo sapiens	Eukaryotic cell growth inhibiting factor.	414	96
904	L04733	Homo sapiens			
905	AE003540	Drosophila	kinesin light chain	1936	72
905	A5003540	melanogaster	CG10984 gene product	446	33
906	M55542	Homo sapiens	guanylate binding protein	2993	98
300	M22242	nomo sapiens	isoform I	2993	98
907	M55542	Homo sapiens	guanylate binding protein	0000	
1 301	P.33342	nomo sapiens	isoform I	2901	96
908	W84085	Homo sapiens	Human membrane fusion protein	1889	
300	W04003	Aciic sapiens	WDProl.	1889	100
909	AF168676	Homo	TNF intracellular domain-	7.0	
303	AF 1000/0	sapiens	interacting protein	647	100
910	AB029150	Homo sapiens			
910	AB029150	Homo sapiens	KRAB zinc finger protein	2196	100
911	G02871	Homo sapiens			
911	G02871	Homo sapiens	Human secreted protein, SEQ	521	100
912	G03162		ID NO: 6952.		
912	603162	Homo sapiens	Human secreted protein, SEQ	387	87
913	AJ243721	Homo	ID NO: 7243.		
312	A0243721	sapiens1	dTDP-4-keto-6-deoxy-D-glucose 4-reductase	1710	100
		>Y92508	4-reductase	1	
		Y92508 13-		1	1
		APR-2000 06-			
	1	OCT-1998			
1		Human OXRE-	i	1	
	i	5. [Homo			1
		sapiens			
914	U24189	Caenorhabdit	hypothetical protein 1207-1;	244	41
		is elegans	Method: conceptual	Date .	47
		01050110	translation supplied by		
			authors	1	1 1
915	Y02591	Homo sapiens	A human progesterone receptor	843	99
			complex p23-like protein.		"
916	AE000984	Archaeoglobu	dinitrogenase reductase	171	26
		s fulgidus	activating glycohydrolase		
		_	(draG)		
918	M23159	Cricetus	DHFR-coamplified protein	163	30
		cricetus			J - " J
919	L12018	Caenorhabdit	putative	1232	41
		is elegans			
920	AF102177	Homo sapiens	tumor antigen SLP-Sp	1260	97
921	AL096712	Homo sapiens	dJ744I24.2 (similar to a	1017	78
	1	_	novel human gene mapping to		
	j .		Activator)]	
922	AL161495	Arabidopsis	putative WD-repeat protein	866	42
		thaliana			
923	AL161495	Arabidopsis	putative WD-repeat protein	442	36
		thaliana			
924	U97001	Caenorhabdit	similar to	605	S1
		is elegans	Schizosaccharomyces pombe		
925	X71978	Mus musculus	Fif	1503	95
926	M92288	Drosophila	beta-spectrin	290	51
)	melanogaster	*		
927	Y27575	Homo sapiens	Human secreted protein	1392	100
			encoded by gene No. 9.		
928	Y22499	Homo sapiens	Human secreted protein	2249	100
			sequence clone mh703 1.		
930	AJ224326	Homo sapiens	ribulose-5-phosphate-	912	100
		-	epimerase		-
931	U28991	Caenorhabdit	coded for by C. elegans cDNA	660	55

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SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	_
ID	NUMBER			WATERMAN	IDENTITY
NO:				SCORE	
		is elegans	cm21c7		
932	AL080065	Homo sapiens	hypothetical protein	210	25
933	G01884	Homo sapiens	Human secreted protein, SEQ ID NO: 5965.	767	98
934	AJ276485	Homo sapiens	integral membrane transporter	1200	100
935	AL035681	Homo sapiens	dJ756G23.3 (novel protein similar to drosophila	1142	80
			transcriptional repressor)		
936	AB026808	Mus musculus	synaptotagmin XI	2142	95
937	AB015345	Homo sapiens	HRIHFB2216	2601	99
938	X65724	Homo sapiens	ORF2	498	100
939	W89024	Homo sapiens	Polypeptide fragment encoded by gene 156.	1487	100
940	G04047	Homo sapiens	Human secreted protein, SEQ ID NO: 8128.	117	100
941	AF094583	Homo sapiens	putative HIV-1 infection related protein	452	100
942	AC024200	Caenorhabdit	contains similarity to	350	69
	1	is elegans	several zinc finger proteins	1	0.5
			but not to the zinc finger		
			domains		İ
943	AF129756	Homo sapiens	G5c	273	100
944	M23765	Rattus norvegicus	alpha-tropomyosin	133	96
945	AC009917	Arabidopsis thaliana	Contains similarity to	583	47
946	AF223458	Homo sapiens	AD021 protein	551	44
947	AF055473	Homo sapiens	GAGE-8	273	51
948	X75756	Homo sapiens	protein kinase C mu	2019	68
949	AF143956	Mus musculus	coronin-2	2300	93
950	Y36729	Homo sapiens	Human PG1 protein sequence.	1861	99
951	W49041	Homo sapiens	Human low density lipoprotein binding protein LBP-2.	282	67
952	AB016881	Arabidopsis thaliana	gene_id:MXC17.7~	203	46
953	Y01785	Homo sapiens	Human ubiquitin-conjugating enzyme >Y25341 Y25341 01-JUL- 1999 12-AUG-1998 Human NCE-2 protein.	365	100
954	AF145615	Drosophila melanogaster	BcDNA.GH03377	823	46
955	U09410	Homo sapiens	zinc finger protein ZNF131	2483	99
956	U09410	Homo sapiens	zinc finger protein ZNF131	1853	99
957	AF195623	Homo sapiens	cholinephosphotransferase 1 alpha	2126	99
958	X94917	Drosophila melanogaster	head-elevated expression in 0.9 kb	155	32
959	U54807	Rattus norvegicus	GTP-binding protein	1167	97
960	AF058807	Bos taurus	GTP-binding protein rah	606	97
961	G03244	Homo sapiens	Human secreted protein, SEQ ID NO: 7325.	471	100
962	AF078850	Homo sapiens	steroid dehydrogenase homolog	583	40
963	AP001754	Homo sapiens	transient receptor potential- related channel 7, a novel	317	30
964	AL035419	Homo sapiens	putative Ca2+ channel protein dJ1100H13.1 (putative novel protein)	1129	100
965	X61381	Rattus rattus	interferon-induced protein	202	46
				1	
966	D38169	Homo sapiens	inositol 1,4,5-trisphosphate 3-kinase isoenzyme	3278	100

SEC	ACCESSION	SPECIES	DESCRIPTION	SMITH-	*
ID	NUMBER	i		WATERMAN	IDENTITY
NO:				SCORE	
968	U79275	Homo sapiens	unknown	611	100
969	AJ011306	Homo	guanine nucleotide exchange	2752	99
970	AF281134	sapiens	factor (long isoform)		
	US3336	Homo sapiens Caenorhabdit	exosome component Rrp46	1186	100
971	U53336	is elegans	weak similarity over a short region to myosin heavy chain	536	23
972	AC018749	Leishmania	L8840.12	589	53
912	ACOT8143	major	L8840.12	589	53
973	AF188504	Mus musculus	LNV	544	85
974	U25801	Homo sapiens	Taxl binding protein	852	98
975	AF049523	Homo sapiens	huntingtin-interacting	1390	97
		none suprono	protein HYPA/FBP11	1220	3,
976	AF161530	Homo sapiens	HSPC182	1040	100
977	G04020	Homo sapiens	Human secreted protein, SEQ	626	300
			ID NO: 8101.		
978	AF164797	Homo sapiens	ribosomal protein L17 isolog	908	100
979	U94991	Xenopus	transcription factor XLMO1	795	97
		laevis			
980	873775	Homo sapiens	calmitine; calsequestrine	2029	100
981	Y94888	Homo	Human protein clone HP01462.	2501	100
-		sapiens			
982	AJ243191 X65020	Homo sapiens	heat shock protein	827	96
983	X65020	Bos taurus	PSST subunit of the NADH:	964	85
			ubiquinone oxidoreductase complex		
984	AJ249207	Rhodococcus	putative racemase	351	43
304	A0245207	sp. AD45	pucative racemase	351	43
985	Z30093	Homo sapiens	basic transcription factor 2,	1576	99
305	250055	nomo amprena	35 kD subunit	1376	33
986	AB030835	Homo sapiens	contains two glutamine rich	4697	99
	1	* '	domains, three zinc-finger		
1	1		domains, and matrin 3	1	
			homologous domain 3 (MH3)		
987	AF227258	Bos taurus	RPGR-interacting protein-1	1262	38
988	AL022238	Homo sapiens	dJ1042K10.2 (supported by	4048	99
			GENSCAN, FGENES and GENEWISE)		
989	AL022238	Homo sapiens	dJ1042K10.2 (supported by	2321	99
990	AF161426	Homo sapiens	GENSCAN, FGENES and GENEWISE) HSPC308	448	92
991	AF161426	Homo sapiens	HSPC308	448	92
992	AF161426	Homo sapiens	HSPC308	453	92
993	AL023859	Schizosaccha	trna-splicing endonuclease	172	42
1 ***	ALIOZIOSI	romyces	subunit	1/2	42
		pombe	Subunit		
994	AL049631	Hono sapiens	dJ513M9.1 (novel Homeobox	241	47
			domain protein)		
995	AC005253	Homo sapiens	R26445_1	902	100
996	AF265206	Homo sapiens	MOG1 isoform A .	974	100
997	AJ248285	Pyrococcus	sarcosine oxidase, subunit	195	28
		abyssi	beta (soxB)		
998	AE003641	Drosophila	BG:DS00941.3 gene product	218	58
		melanogaster			
999	W69343	Homo	Secreted protein of clone	1340	98
1000	AY007135	sapiens Homo sapiens	CR930_1. similar to bovine ADP/ATP	1543	100
1000	AY007135	Homo Sapiens	translocase T1 mRNA with	1543	100
	İ		GenBank Accession Number		
			M24102.1		
1001	Y73381	Homo sapiens	HTRM clone 1877278 protein	1668	100
			sequence.		
1002	AF208844	Homo sapiens	BN-002	428	100
1003	AE004944	Pseudomonas	hypothetical protein	134	35
		aeruginosa			J
1004	AL031431	Homo sapiens	dJ462023.2 (novel protein)	2058	100
1005	845367	Canis	centractin	1949	100
		familiaris			

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SEO	L Magnago vovi	SPECIES			
ID	ACCESSION NUMBER	SPECIES	DESCRIPTION	SMITH-	*
NO:	NUMBER			WATERMAN	IDENTITY
				SCORE	
1006	\$45367	Canis familiaris	centractin	1315	98
1007	AB022158	Mis	chaperonin containing TCP-1	2649	96
1007	AB022158	musculus	epsilon subunit	2649	96
1008	¥76332	Homo sapiens	Fragment of human secreted	1282	97
1008	1/0332	Homo sapiens	protein encoded by gene 38.	1282	97
1009	AB011414	Homo sapiens	Kruppel-type zinc finger		
1009	MROTIGIA	Homo sapiens		1671	58
1010	268218	Caenorhabdit	protein K01H12.1		
1010	268218		K01H12.1	269	67
		is elegans			
1011	AB011414	Homo sapiens	Kruppel-type zinc finger	1671	58
1012	214000		protein		
		Homo sapiens	RING1	2017	100
1013	G02841	Homo sapiens	Human secreted protein, SEQ	332	93
			ID NO: 6922.		
1014	AF145659	Drosophila	BcDNA.GH10333	1244	52
		melanogaster			
1015	Y02860	Homo sapiens	Fragment of human secreted	664	67
			protein encoded by gene 65.		
1016	Y02591	Homo sapiens	A human progesterone receptor	772	97
			complex p23-like protein.	1	
1017	Y99448	Homo sapiens	Human PRO1759 (UNQ832) amino	2323	100
			acid sequence SEQ ID NO:374.		
1018	X67250	Rattus	n-chimaerin	1710	97
	i	norvegicus		1	1
1019	AF183417	Homo	microtubule-associated	631	100
		sapiens	proteins 1A/1B light chain 3		1
1020	AF154795	Homo sapiens	sex-regulated protein janus-a	674	100
1021	AF190625	Coturnix	gdql-1	638	96
		coturnix	4-3	050	~
1022	AL133363	Arabidopsis	putative protein	155	37
	11020000	thaliana	pacacive process	133	3'
1023	AB034912	Homo sapiens	WD-repeat like sequence	2483	100
1024	AY007091	Homo sapiens	similar to Homo sapiens	2243	100
1024	A1007031	noso saprens	mammalian inositol	2243	100
			hexakisphosphate kinase 2	1	
		ŀ	(IP6K2) mRNA with Ge	1	
1025	X69910	Homo sapiens	P63 protein	2958	99
1026	U80736	Homo sapiens	CAGF9	1657	100
1027	AB029333	Halocynthia	HrPET-1		54
1027	ABU29333	roretzi	HYPET-1	1048	54
1028	AB032931	Homo sapiens			
1028	AB032931	Homo sapiens	ubiquitin-conjugating enzyme	1045	100
1029	G01797		isolog		
1029	G01797	Homo sapiens	Human secreted protein, SEQ	749	98
			ID NO: 5878.		
1030	G01797	Homo sapiens	Human secreted protein, SEQ	749	98
			ID NO: 5878.		
1031	AF193795	Homo sapiens	vacuolar sorting protein	960	100
			VPS29/PEP11		
1032	AJ222968	Mus musculus	L-periaxin	120	30
1033	281317	Schizosaccha	DNA2-NAM7 helicase family	685	31
		romyces	protein		
		pombe			
1034	Y41519	Homo sapiens	Fragment of human secreted	1321	99
			protein encoded by gene 75.		
1035	AJ276004	Mus musculus	Paxneb protein	1709	77
1036	AF025459	Caenorhabdit	H14A12.3 gene product	190	30
		is elegans	- •		
1037	U37251	Homo sapiens	Description: KRAB ginc finger	196	43
			protein; this is a splicing		
			supplied by author	1	1
1038	W74580	Homo	Human membrane protein	1921	97
	1000	sapiens	BA0306.	2721	
1.039	U88173	Caenorhabdit	weak similarity to	331	80
_000		is elegans	Arabidopsis thaliana	221	00
	1	re eredens	ubiquitin-like protein 8		
			mordarcru-rrve broceru s		

SEC	ACCESSION	SPECIES			
ID NO:	NUMBER	SPECIES	DESCRIPTION	SMITH- WATERMAN SCORE	IDENTITY
1040	AF290204	Homo sapiens	blood group carrier molecule	1637	99
1041	Y96730	Homo sapiens	PRO539, a Costal-2 homologue.	162	22
1042	AF140683	Mus musculus	F-box protein FWD2	2397	9.8
1043	AF151023	Homo sapiens	HSPC189	1104	100
1044	AF181631	Drosophila melanogaster	BcDNA.GH04929	204	37
1045	¥77985	Homo sapiens	Human collectin amino acid sequence.	1940	100
1046	AJ243972	Homo sapiens	6-phosphogluconolactonase	1317	100
1047	AB035863	Homo sapiens	ATP specific succinyl CoA synthetase beta subunit precursor	2324	99
1048	AL034550	Hcmo sapiens	dJ1184F4.2 (novel protein similar to nucleolar protein 4 (NOL4) (NOLP))	981	92
1049	AF163825	Homo sapiens	pre-B lymphocyte protein 3	634	100
1050	AF201949	Homo sapiens	60S ribosomal protein L30 isolog	868	100
1051	AF190624	Mus musculus	mdgl-1	236	85
1052	AE003529	Drosophila melanogaster	CG6151 gene product	160	44
1053	G01191 AL162756	Homo sapiens	Human secreted protein, SEQ ID NO: 5272.	646	98 -
1054	AF181856	meningitidis	Glu-tRNA(Gln) amidotransferase subunit A	682	44
1056	U89649	Rattus norvegicus	tRNA selenocysteine associated protein	1525	99
- 5		Chlamydomona s reinhardtii	Mr19,000 outer arm dynein light chain	244	34
1057	AF159141	Homo sapiens	breast cancer metastasis- suppressor 1	663	53
1058	AF230929	Homo sapiens	keratinocyte annexin-like protein pemphaxin	1710	99
1059	AJ270952	Homo sapiens	putative membrane protein	1363	100
1060	AF224263	Heterodontus francisci	HOXD8	742	83
1061	X63417	Homo sapiens	IRLB	1037	100
	AL079345	Streptomyces coelicolor A3(2)	hypothetical protein	143	27
1063	Y71112	Homo sapiens	Human Hydrolase protein-10 (HYDRL-10).	2547	100
1064	AF263614	Homo sapiens	acetyl-CoA synthetase	3493	99
1065	Y13356 AC006153	Homo sapiens	Amino acid sequence of protein PRO221.	1363	100
		Homo sapiens	similar to Aquifex aeolicus GTP-binding protein; similar to AE000771 (PID:g2984292)	662	98
1067	¥18930	Sulfolobus solfataricus	hypothetical protein	162	29
1068	R65969	Homo sapiens T98G	Glioblastoma-derived polypeptide.	887	100
1069	Y07964	Homo sapiens	Human secreted protein fragment	863	95
1070	AF177476	Rattus norvegicus	CDK5 activator-binding protein	1995	85
1071	AF245505	Homo sapiens	adlican	3109	99
1072	U92794	Mus musculus	alpha glucosidase II, beta subunit	147	35
1073	G03889	Homo sapiens	Human secreted protein, SEQ ID NO: 7970.	698	98
1074	U15779	Homo sapiens	p70	380	28
10/5	Y13392	Homo sapiens	Amino acid sequence of	1271	91

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	D. DOLDO	DESCRIPTION		8
NO:	TO THE	J	J	WATERMAN	IDENTITY
MO.			protein PRO328.	SCORE	
1076	AF161457		protein PRO328.		
		Homo sapiens	HSPC339	571	100
1077	Y79509	Homo sapions	Human carbohydrate-associated	2151	98
Ĺ		1	protein CRBAP-5.	1	1
1078	AF223466	Homo sapiens	HT015 protein	831	66
1079	AL132965	Arabidopsis	putative WD-40 repeat-protein	286	29
		thaliana	The second secon	200	1
1080	AB024937	Homo sapiens	LUNX	1284	100
1080	Y14768	Homo sapiens	V-ATPase G-subunit like	579	100
2002	111700	nono adorena	protein	579	100
1082	AF016416	Caenorhabdit			
1002	WLOTPETP		F29A7.4 gene product	141	31
1083		is elegans			
	L13291	Homo sapiens	ADP-ribosylarginine hydrolase	802	45
1084	AB041541	Mus musculus	unnamed protein product	151	44
1085	G01922	Homo sapiens	Human secreted protein, SEQ	202	97
		· ·	ID NO: 6003.		
1086	AB030814	Homo sapiens	H-REV107 protein homolog	833	100
1087	AF151638	Homo sapiens	phosphatidylcholine transfer	1142	100
		Nome Dapadalo	protein	1142	100
1088	Y84432	Homo sapiens	Amino acid sequence of a		
1000	104432	Homo sapiens	Amino acid sequence of a	2783	100
1	1		human RNA-associated		Į.
			protein.		
1089	Y94867	Нолю	Human protein clone HP10563.	613	100
		sapiens		1	
1090	AK023982	Homo sapiens	unnamed protein product	130	49
1091	AB041586	Mus musculus	unnamed protein product	1103	81
1092	Y71277	Homo sapiens	Human Zlipo3 protein.	606	100
1093	U34973	Mus musculus	protein tyrosine phosphatase-	1131	95
		Tras massass	like	1131	95
1094	¥66677	Homo	Membrane-bound protein	522	
1074	1006//	sapiens	PRO828.	522	56
1095	Y87276				
1095	10/2/6	Homo sapiens	Human signal peptide	1029	99
			containing protein HSPP-53		l
			SEQ ID NO:53.	l	ļ
1096	Y87276	Homo sapiens	Human signal peptide	863	98
			containing protein HSPP-53		
			SEQ ID NO:53.		
1097	AF161455	Homo sapiens	HSPC337	742	98
1098	U80029	Caenorhabdit	similar to thioredoxin	242	39
		is elegans		~.~	
1099	AJ005866	Homo sapiens	Sqv-7-like protein	1321	99
1100	AJ005866	Homo sapiens	Sqv-7-like protein	1118	99
1101	AJ005866	Homo sapiens	Sqv-7-like protein	891	99
1102	AJ005866	Homo sapiens	Sqv-7-like protein		
1103	AL110244			1016	99
		Homo sapiens	hypothetical protein	299	31
1104	AF242194	Drosophila	brakeless-B	147	52
		melanogaster		,	
1105	AL031010	Homo sapiens	dJ422F24.1 (PUTATIVE novel	968	100
			protein similar to C. elegans		
			C02C2.5)		
1106	U28016	Mus musculus	parathion hydrolase	1624	87
			(phosphotriesterase) - related		
			protein		
1107	AJ278150	Homo sapiens	putative lipid kinase	2207	99
1108	G03733	Homo sapiens	Human secreted protein, SEQ	495	98
2200	003,33	nomo saprena	ID NO: 7814.	495	98
1109	AF217287				
1109	AFZ1/28/	Drosophila	G protein RhoBTB	834	54
1110		melanogaster			i
1110	Y28921	Homo	Human regulatory protein	941	48
		sapiens	HRGP-7.		
1111	Y28921	Ното	Human regulatory protein	1331	51
		sapiens	HRGP-7.		
1112	AF176704	Homo sapiens	F-box protein FBX9	2027	99
1113	AF182076	Homo	gliona tumor suppressor	2418	100
- 1		sapiens	candidate region protein 2	****	200
1114	G04039	Homo sapiens	Human secreted protein, SEQ	475	96
		nomo adprens	nument secreted protein, SEQ	4/5	96

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	SPECIES	DESCRIPTION		8
NO:	MARKER			WATERMAN	IDENTITY
NO:				SCORE	
			ID NO: 8120.		
1115	AF229439	Mus musculus	zinc finger protein 289	1697	91
1116	L40357	Homo sapiens	thyroid receptor interactor	509	100
1117	L40357	Homo sapiens	thyroid receptor interactor	404	85
1118	A12155	Homo sapiens	Human X5L cDNA.	1673	100
1119	AL161542	Arabidopsis	isomerase like protein	607	53
		thaliana	Tomardo IIId Process	007	55
1120	AL023754	Homo sapiens	dJ272L16.1 (Rat	2341	98
1120	AD023754	HOMO SAPIERS	Ca2+/Calmodulin dependent	2341	98
1			Ca2+/Caimodulin dependent		
			Protein Kinase LIKE protein)		
1121	Y57901	Homo sapiens	Human transmembrane protein	321	36
			HTMPN-25.		1
1122	Z14122	Xenopus	XLCL2	455	77
Į.		laevis)		
1123	AF225418	Homo sapiens	lipase	1531	97
1124	Y06518	Homo sapiens	Zen GTPase interacting	3227	100
			protein ZIP.	0.007	100
1125	AL035690	Homo sapiens	dJ202I21.1 (novel protein)	952	100
1126	AJ000217	Homo sapiens	Chic2	1286	
1127	AB030505				99
		Mus musculus	UBE-1c2	1069	79
1128	Y73375	Homo sapiens	HTRM clone 1427838 protein	874	100
	}		sequence.		
1129	Y78941	Homo sapiens	Cyclophilin-type peptidyl	877	100
Į			prolyl cis/trans isomerase		
l			amino acid sequence.		
1130	AL023553	Homo sapiens	dJ347H13.4 (novel protein)	557	100
1131	Y91945	Homo sapiens	Human chaperone protein 6	1408	100
1131	131343	nono sapiena	(HCHP-6).	1408	100
1132	268197	Schizosaccha	(HCHP-6).		
1132	268197		putative nuclear pore protein	596	39
ł		romyces			
		pombe			
1133	Z68197	Schizosaccha	putative nuclear pore protein	389	35
		romyces		1	1
		pombe			
1134	AF180681	Homo sapiens	quanine nucleotide exchange	3597	100
	i		factor		
1135	AF079765	Mus musculus	enhancer of polycomb	264	41
1136	M62419	Mus musculus	clathrin-associated protein	2189	99
1137	AJ006219	Drosophila	clathrin-associated protein	1254	78
1137	ACCOCALS	melanogaster	ciathrin-associated protein	1254	78
1138	Y76218				
1138	176218	Homo sapiens	Human secreted protein	440	98
			encoded by gene 95.		
1139	W88104	Homo	A Rab protein designated	1065	99
		sapiens	HRABS-2.	1	
1140	Y13401	Homo sapiens	Amino acid sequence of	3979	98
1			protein PRO339.		
1141	W85026	Chimeric -	Green fluorescent protein-	3309	100
		Homo sapiens	Zap70 fusion product		
1142	Y13402	Homo sapiens	Zap70 fusion product. Amino acid sequence of	1694	99
		nomo suprema	protein PRO310.	1094	33
1143	G03875				
1742	603675	Homo sapiens	Human secreted protein, SEQ	660	99
			ID NO: 7956.		
1144	Y12917	Homo sapiens	Amino acid sequence of a	750	98
			human secreted peptide.		
1145	Y12917	Homo sapiens	Amino acid sequence of a	1096	100
		-	human secreted peptide.		
1146	AL022157	Homo sapiens	SPIN (SPINDLIN HOMOLOG	1233	100
		none bapaoni	(PROTEIN DXF34))	1.000	100
1147	AL022157	Homo sapiens	SPIN (SPINDLIN HOMOLOG	1233	100
2247	ADV22237	Homo saprens		1233	100
1148	C02548		(PROTEIN DXF34))	370	
7140	002548	Homo sapiens	Human secreted protein, SEQ	3 / 0	98
			ID NO: 6629.		
1149	Y73338	Homo sapiens	HTRM clone 2019742 protein	1492	100
			sequence.		
1150	W74841	Homo sapiens	Human secreted protein	228	55
1			encoded by gene 113 clone		

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	3:
ID	NUMBER	SPECIES	DESCRIPTION	WATERMAN	IDENTITY
NO:	NOVIDER			SCORE	IDENTITY
1001			HEAAR60.	SCORE	
1151	AF044201	Rattus	neural membrane protein 35;	1570	92
1131	N.O44201	norvegicus	NMP35	15/0	92
1152	AP156774	Homo	lysophosphatidic acid	1855	99
14.5%	211 21 30 17 4	sapiens	acyltransferase-gamma1	1035	33
1153	AL118501	Homo sapiens	dJ1191N16.1 (A novel protein	872	64
1222	111111111111	nomo napram	(translation of the cDNA	072	0.4
ļ		ļ	DKFZp566A0946, Em:AL050069))	1	Į
1154	AF131852	Homo sapiens	Unknown	473	100
1155	Y41705	Homo	Human PRO352 protein	1381	97
	111.00	sapiens	sequence.	1301	31
1156	G04036	Homo sapiens	Human secreted protein, SEQ	607	99
		The supposite	ID NO: 8117.	007	
1157	AF112444	Lupinus	L-asparaginase	287	43
		luteus		1	1
1158	AF151848	Homo sapiens	CGI-90 protein	232	32
1159	AJ272267	Homo sapiens	choline dehydrogenase	2449	100
1160	AB001773	Ciona	PBM-6	196	33
		savignyi			
1161	Y87330	Homo sapiens	Human signal peptide	746	83
ļ	1		containing protein HSPP-107	1	
			SEQ ID NO:107.	1	
1162	Y87330	Homo sapiens	Human signal peptide	746	83
			containing protein HSPP-107		
			SEQ ID NO:107.	i	
1163	AF113534	Homo sapiens	HP1-BP74 protein	2723	96
1164	AF232226	Danio rerio	Dedd1	191	41
1165	AL118501	Homo sapiens	dJ1191N16.1 (A novel protein	1051	71
			(translation of the cDNA		
			DKFZp566A0946, Em:AL050069))		
1166	AL118501	Homo sapiens	dJ1191N16.1 (A novel protein	945	76
		İ	(translation of the cDNA		
L			DKFZp566A0946, Em:AL050069))		
1167	AF187733	Homo sapiens	syntaphilin	831	42
1168	AB019435 AF064604	Homo sapiens	phospholipase	951	55
1170	Y01164	Homo sapiens	KE03 protein	324 1191	33
11/0	107704	nomo sapiens	Polypeptide fragment encoded by gene 6.	1191	100
1171	L03188	Saccharomyce	putative .	180	22
11/1	203700	s cerevisiae	pucacive	180	22
1172	AF113751	Mus musculus	nuclear pore membrane	3941	81
447	1 2223732	rius muscuaus	glycoprotein POM210	3341	l °*
1173	AJ245417	Homo sapiens	G5b protein	794	100
1174	AL022238	Homo sapiens	dJ1042K10.3 (novel protein)	1285	100
1175	U41278	Caenorhabdit	F33G12.3 gene product	332	28
22.5	042270	is elegans	rasdizia gene produce	332	40
1176	M35617	Homo sapiens	T-cell receptor V-alpha-J-	284	83
			alpha region	200	
1177	AC012680	Arabidopsis	putative protein phosphatase	209	37
		thaliana	2C; 55455-56414	207	- ·
1178	G01345	Homo sapiens	Human secreted protein, SEQ	692	99
		-	ID NO: 5426.		
1179	AL096767	Homo sapiens	dJ579N16.3 (novel protein	1342	100
		-	similar to worm, Arabidopsis	1	
			and pine proteins)		
1180	AF039716	Caenorhabdit	similar to ATP synthase B	496	55
		is elegans	chain	1	
1181	Y11710	Homo sapiens	collagen type XIV	1048	97
1182	X82240	Homo	T cell leukemia/lymphoma 1	617	100
		sapiens]		1	
		>R94974			- 1
		R94974 09-			- 1
		MAY-1996 27-			
		OCT-1994			
		Human TCL-1			
	L	polypeptide.			

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	DEBCIES	DESCRIPTION	WATERMAN	IDENTITY
NO:				SCORE	TOWN TAXA
		[Homo sapiens		DOULD	
1183	U42841	Caenorhabdit	short region of weak	161	33
2205	012011	is elegans	similarity to collagen	707	33
1185	AJ131613	Homo sapiens	dicarboxylate carrier protein	1470	99
1186	L27645	Danio rerio	growth-associated protein	130	36
1187	Y02738	Homo sapiens	Human secreted protein	636	100
			encoded by gene 89 clone		150
1188	AF217544	Xenopus laevis	ornithine decarboxylase-2	1459	60
1189	AL136307	Homo sapiens	dJ380B8.2 (Neuritin, a	182 ,	33
į.			protein which promotes		Ì
			neurite outgrowth)	1	
1190	X89602	Homo sapiens	rTSbeta	197	100
1191	U32828	Haemophilus	ribosomal protein S6	268	31
		influenzae Rd	modification protein (rimK)		
1192	AF154831	Rattus norvegicus	PV-1	1403	60
1193	Y50926	Homo sapiens	Human fetal brain cDNA clone	918	100
	230325	none suprems	vc16 l derived protein.	310	100
1194	AF026530	Rattus	stathmin-like-protein splice	1093	97
		norvegicus	variant RB3''		1
1195	U35244	Rattus	Vacuolar protein sorting	2981	96
		norvegicus	homolog r-vps33a		1
1196	¥70470	Homo sapiens	Human p53 target molecule, PRG3 protein.	1680	100
1197	AF157318	Homo sapiens	AD-017 protein	912	47
1198	AF125443	Caenorhabdit	contains similarity to S.	460	39
		is elegans	pombe phosphatidyl synthase (GB:Z28295)		
1199	AF201934	Homo sapiens	DC12	1649	88
1200	AL031775	Homo sapiens	dJ30M3.3 (novel protein	1902	100
			similar to C. elegans Y63D3A.4)		
1201	M21103	Ovis aries	BIIIB4 high-sulfur keratin	484	82
1202	285986	Homo sapiens	dJ108K11.3 (similar to yeast	1143	75
		_	suppressor protein SRP40)		1
1203	U18762	Rattus	retinol dehydrogenase type I	890	52
1204	U35730	Mus musculus	1erky	2235	76
1205	AB002327	Homo sapiens	KIAA0329	151	24
1206	AB019233	Arabidopsis	ubiquinone/menaquinone	762	56
		thaliana	biosynthesis		
			methyltransferase-like		
1207	AL136307	Homo sapiens	dJ380B8.2 (Neuritin, a	742	100
			protein which promotes		
			neurite outgrowth)		
1208	AF207989	Homo sapiens	orphan G-protein coupled receptor	2326	100
1209	297630	Homo sapiens	dJ466N1.4 (novel protein	181	44
1207	257030	nouto sagrens	similar to ANK3 (ankyrin 3,	101	44
			node of Ranvier (ankyrin		
			G)))		
1210	U21549	Mus musculus	Ac39/physophilin	1280	68
1211	Y27700	Homo sapiens	Human secreted protein	1267	100
			encoded by gene No. 12.		
1212	AF117814	Mus musculus	odd-skipped related 1 protein	945	66
1213	AF277233	Naegleria	calcineurin B	222	3.9
		fowleri			
1214	D14849	Mus musculus	meiosis-specific nuclear	1950	77
			structural protein 1		
1215	G03022	Homo sapiens	Human secreted protein, SEQ	590	100
1216	272510	Caenorhabdit	ID NO: 7103.	624	
7470	012310	Caenornandit	similarity to yeast UTR3	634	49

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	3
ID	NUMBER		DEDCKIT I TON	WATERMAN	IDENTITY
NO:			1	SCORE	IDENTITI
		is elegans	protein (Swiss Prot accession	DOORD	
		an cacquin	yk677hll.5 comes from this		
			gene		
1217	Z49703	Saccharomyce	unknown	134	22
	-13,05	s cerevisiae	anatiowii	1.34	~~
1218	AC013430	Arabidopsis	F3F9.18	199	29
1210	ACGESTSO	thaliana	1319.10	199	29
1219	L10910	Homo sapiens	splicing factor	1026	71
1220	270750	Caenorhabdit	similar to vanadate		
1220	2/0/50	is elegans	resistance protein	965	58
-		is elegans	transmembranous comes from	l .	
1				i	1
1221	AL163815	Arabidopsis	this gene		
1221	WP163912	thaliana	putative protein	653	61
1222	AF155100	Homo sapiens			1
1222	AF155100	Homo sapiens	zinc finger protein NY-REN-21	2261	100
			antigen		
1223	J05071	Bos taurus	GTP-binding regulatory	356	100
			protein gamma-6 subunit		
1224	¥73364	Homo sapiens	HTRM clone 2765991 protein	1169	99
			sequence.		
1225	AL050170	Homo sapiens	hypothetical protein	714	100
1226	X64002	Homo sapiens	RAP74	2661	99
1227	X04085	Homo sapiens	catalase	2846	100
1228	AJ005620	Mus musculus	skeletal muscle-specific gene	1416	90
1229	AF045564	Rattus	development-related protein	1715	93
1		norvegicus			**
1230	X97571	Mus musculus	HCMV-interacting protein	479	96
1231	L08239	Homo sapiens	located at OATL1	2274	100
1232	AF121863	Homo sapiens	sorting nexin 14	1964	100
1233	AF121863	Homo sapiens	sorting nexin 14	1203	84
1234	AC024805	Caenorhabdit		744	31
	110021005	is elegans	TR:004595	/44	37
1235	AC006634	Caenorhabdit	contains similarity to	357	33
1	11000000	is elegans	Saccharomyces cerevisiae	357	33
		ab cacgani	probable membrane protein		
			YLR418c (GB:U20162)		
1236	Y18101	Mus musculus	macrophage actin-associated-	1559	87
22.50		ride mascurus	tyrosine-phosphorylated	1559	87
			protein		
1237	AB042646	Homo sapiens	TGIF2	1224	100
1238	AB026264	Homo sapiens	IMPACT	1694	100
1239	AB026264	Homo sapiens	IMPACT	1123	100
1240	G00429	Homo sapiens			
1240	G00429	Homo sapiens	Human secreted protein, SEQ	324	100
1241	Y76144	Homo sapiens	ID NO: 4510.		
1241	1/6144	Homo sapiens	Human secreted protein	1363	53
1242	AL035602		encoded by gene 21.		
1242	AL035602	Arabidopsis thaliana	putative protein	499	28
1243	X76483				
1243	X76483	Gallus	Yes-associated protein	574	48
		gallus	(65kDa)		
1244	AF220186	Homo sapiens	uncharacterized hypothalamus	503	100
			protein HT012		
1245	AL021453	Homo sapiens	dJ821D11.3 (PUTATIVE protein)	856	100
1246	AJ276003	Homo sapiens	GAR1 protein	1216	100
1247	¥57910	Homo sapiens	Human transmembrane protein	1369	98
		_	HTMPN-34.		
1248	AC004874	Homo sapiens	similar to N-	957	100
1		-	acetylgalactosaminyltransfera		
1 1			se; similar to Q07537		
			(PID:g1171989)		
1249	AF199597	Homo	A-type potassium channel	1139	100
		sapiens	modulatory protein 1	****	200
1250	Y13148	Ractus	PAG608	1350	88
-2.50		norvegicus	20000	1350	00
1251	M24852	Rattus	neuron-specific protein PEP-	124	46
12.51		norvegicus	neuron-specific protein PEP-	124	46
		nor rogicus	17		

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SEO	ACCESSION	SPECIES	DESCRIPTION	T	
ID NO:	NUMBER	SPECIES	DESCRIPTION	SMITH- WATERMAN SCORE	IDENTITY
1252	AF146738	Rattus	testis specific protein	771	83
1253	G02725	Homo sapiens	Human sccreted protein, SEQ ID NO: 6806.	419	97
1254	W44375	Homo sapiens	Human ubiquitin-conjugating enzyme polypeptide.	1045	99
1255	AC006538	Homo sapiens	BC41195_1	831	78
1256	AB004316	Bos taurus	mitochondrial methionyl-tRNA transformylase	1556	88
1257	Z35094	Homo sapiens	SURF-2	1354	97
1258	Y13362	Homo sapiens	Amino acid sequence of protein PRO214.	2383	100
1259	AC006014	Homo sapiens	similar to RFP transforming protein; similar to P14373 (PID:g132517)	1299	100
1260	AC005099	Homo sapiens	match to AI222572 (NID:g3804775)	469	100
1261	V00507	Homo sapiens	coding sequence of DHPR (1 is 1st base in codon) (551 is 3rd base in codon)	984	100
1262	X15443	Rattus sp.	gamma-glutamyltranspeptidase (AA 1-568)	697	32
1263	AF173871	Mus musculus	neuronal PAS3	977	94
1264	AF178983	Homo sapiens	Ras-associated protein Rapl	433	97
1265	¥70473	Homo sapiens	Human cyclic nucleotide- associated protein-1 (CNAP- 1).	2785	99
1266	¥41738	Homo sapiens	Human PRO541 protein sequence.	1622	100
1267	AF061346	Mus musculus	Edp1 protein	1077	64
1268	U97006	Caenorhabdit is elegans	C13F10.4 gene product	154	23
1269	AF233582	Mus musculus	GTPase Rab37	942	95
1270	AF195951	Homo sapiens	signal recognition particle 68	3127	98
1271	AL031177	Homo sapiens	dJ889M15.3 (novel protein)	1150	55
1272	AF201933 AF201933	Homo sapiens	DC11	650	100
1273	AL021710	Homo sapiens Arabidopsis	DC11 putative protein	346	98
1274	AC004449	thaliana		348	49
1275	Y86295	Homo sapiens	R33683_3	556	100
1277	Y71111		Human secreted protein HL2AG87, SEQ ID NO:210.	1920	100
1277		Homo sapiens	Human Hydrolase protein-9 (HYDRL-9).	1576	99
1278	S94421 Y66695	Homo sapiens	T cell receptor eta-exon	478	100
		sapiens	Membrane-bound protein PRO1344.	1909	100
1280	AF161380 Y48610	Homo sapiens	HSPC262	772	100
1282		Homo sapiens	Human breast tumour- associated protein 71.	779	100
	AC015446	Arabidopsis thaliana	Similar to AIG1 protein	406	35
1283	AK024432	Homo sapiens	FLJ00022 protein	403	35
1284	W96153	Homo sapiens	Human FADD-interacting protein (FIP).	1825	81
1285	AJ001019	Homo sapiens	ring finger protein	1301	100
1286	AE003823	Drosophila melanogaster	CG13178 gene product	195	29
1287	AF178632	Homo sapiens	FEM-1-like death receptor binding protein	3261	100
1288	AC006033	Homo sapiens	similar to MLK 64; similar to I38027 (PID:g2135214)	1195	1.00
1289	AC006033	Homo sapiens	similar to MLN 64; similar to I38027 (PID:g2135214)	668	93
1290	AB023811	Homo sapiens	TU3A	351	54

SEO	ACCESSION	SPECIES	DESCRIPTION		
ID ID	NUMBER	SPECIES	DESCRIPTION	SMITH- WATERMAN	*
NO:	NONDER		1	SCORE	IDENTITY
1291	Z73424	Caenorhabdit	C44B9.1	235	36
1271	2/3424	is elegans	C44B3.1	235	36
1292	Y94871	Homo	Human protein clone HP02551.	1222	100
		sapiens	The state of the s	1 ****	1 100
1293	AF180425	Homo sapiens	retinoblastoma-associated	489	29
			protein RAP140	-03	1
1294	G03856	Homo sapiens	Human secreted protein, SEQ	538	99
l		_	ID NO: 7937.		
1295	AF133670	Mus musculus	ARL-6 interacting protein-2	367	51
1296	AJ249735	Homo sapiens	claudin-6	1142	100
1297	X57560	Escherichia	pspE protein	535	100
		coli			
1298	AF169284	Homo sapiens	LIM and cysteine-rich domains	1997	100
			protein 1		
1299	U41023	Caenorhabdit	coded for by C. elegans CDNA	324	29
1		is elegans	yk61f1.3; coded for by C.	1	
1300	AB024523		yk109h8.5		
1300	X55989	Homo sapiens	basic kruppel like factor	1206	100
1301	V22388	Homo sapiens	cosinophil cationic-related protein	737	99
1302	AF007151	Homo sapiens	unknown	1481	100
1303	X52904	Escherichia	open reading frame (AA 1-65)	359	100
1303	A52704	coli	Open reading frame (AA 1-65)	359	100
1304	U19577	Escherichia	galactonate dehydratase	242	93
		coli	garacconace donyaracase	***	93
1305	AF266508	Mus musculus	NELF protein	1409	97
1306	Y57901	Homo sapiens	Human transmembrane protein	932	100
			HTMPN-25.		100
1307	US8750	Caenorhabdit	similar to the mitochondrial	365	54
	i	is elegans	carrier family		
1308	AF044774	Homo sapiens	breakpoint cluster region	2681	99
		l	protein 2		
1309	AL078593	Homo sapiens	dJ210B1.1 (KTAA0680)	267	34
1310	X82693	Homo sapiens	E48 antigen	620	96
1311	282263	Caenorhabdit	C47A4.1	283	35
		is elegans			
1312	AF131218	Homo sapiens	chromosome 16 open reading	1493	100
1313	Y41763	Homo	frame 5		
1313	141/63	Homo sapiens	Human PRO938 protein	1636	100
1314	AF196972	Homo sapiens	sequence. JM24 protein	2239	100
1315	AF053356	Homo sapiens	insulin receptor substrate	2239	97
1313	NF033336	nomo sapiens	like protein	228	97
1316	Y66695	Homo	Membrane-bound protein	1909	100
1010	100055	sapiens	PRO1344.	1909	100
1317	AF153127	Gallus	SAPK interacting protein	2442	89
	1	gallus	process		
1318	AF153127	Gallus	SAPK interacting protein	1477	83
		gallus	• •		
1319	AF153127	Gallus	SAPK interacting protein	1651	86
		gallus			
1320	X56932	Homo sapiens	23 kD highly basic protein	1044	100
1321	AF174605	Homo	F-box protein Fbx25	467	70
		sapiens]			
		>Y83086			
		A83086 08-			
		MAR-2000 28- AUG-1998 F-			
1	1				1
		box protein FBP-18.			
		[Homo			
		sapiens			
1322	M61732	Trypanosoma	neuraminidase	214	24
		cruzi	NO CONTRACTOR OF THE PARTY OF T	~~4	67
1323	Y17013	porcine	pol	304	64
		endogenous	-		

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SEQ	ACCESSION NUMBER	SPECIES	DESCRIPTION	SMITH-	*
NO:	MONDER			WATERMAN	IDENTITY
10.		retrovirus		SCORE	
1324	AL138655	Arabidopsis	putative protein	1174	37
		thaliana		1	
1325	AL138655	Arabidopsis	putative protein	946	35
		thaliana			
1326	AL133215	Homo sapiens	bA108L7.2 (novel protein	1322	99 -
			similar to rat tricarboxylate		
1327	AF161541	Homo sapiens	carrier)		
1328	Y73346	Homo sapiens	HTRM clone 619699 protein	1357 785	99
1360	1/3340	nomo sapiens	sequence.	785	96
1329	L10910	Homo sapiens	splicing factor	912	82
1330	AF146568	Homo sapiens	MIL1 protein	1936	100
1331	W87772	Homo sapiens	Human serum glucocorticoid-	232	39
		name arguant	regulated kinase (H-SGK2)	-32	139
1			polypeptide.		
1332	Y41741	Homo	Human PRO704 protein	1860	100
		sapiens	sequence.		1
1333	AF295096	Homo sapiens	zinc-finger protein ZBRK1	411	91
1334	Z82271	Caenorhabdit	Similarity to Mouse kinensin-	578	44
		is elegans	like protein KIF4 comes from	i	
1335	AE000810	Methanobacte	this gene		
1335	AEGGOSTO	rium	conserved protein	290 .	43
		thermoautotr			
		ophicum			
1336	Y68779	Homo sapiens	Amino acid sequence of a	1019	91
			human phosphorylation	m o m o	72
			effector PHSP-11.		
1337	AB027003	Mus musculus	protein phosphatase	378	84
1338	U64856	Caenorhabdit	weak similarity to TPR	215	40
1339		is elegans	domains		
1339	AE001394	Plasmodium	protein of the YMR7 family	170	29
1340	X76717	falciparum Homo sapiens	MT-11 protein	204	
1341	AC011914	Arabidopsis	putative mutT protein; 68398-	289	89
	ACCIA JAW	thaliana	67881	209	45
1342	AJ276171	Homo sapiens	ASPIC	2122	100
1343	AF187016	Homo sapiens	myosin regulatory light chain	2303	99
	i		interacting protein MIR		
1344	AC006963	Homo sapiens	similar to Kelch proteins;	894	35
			similar to BAA77027		
1345			(PID:g4650844)		
1345	AF257466	Homo sapiens	N-acetylneuraminic acid	1880	99
1346	Y25896	Homo sapiens	phosphate synthase Human secreted protein	1148	100
2340	123050	nono saprens	fragment encoded from gene	1148	100
			64.		
1347	AJ272073	Torpedo	male sterility protein 2-like	1664	58
		marmorata	protein		
1348	AF161548	Homo sapiens	HSPC063	1018	98
1349	W78128	Homo sapiens	Human secreted protein	1117	100
			encoded by gene 3 clone		
1351	G02144	**	HOSBI96.		
1351	G02144	Homo sapiens	Human secreted protein, SEQ ID NO: 6225.	418	100
1352	D90869	Esche-ichia	similar to	2047	100
	220003	coli	STHITTET CO	204/	100
1353	A12029	Homo sapiens	MRP-14	613	100
1354	AC005328	Homo sapiens	R26660 1, partial CDS	870	74
1355	AC024876	Caenorhabdit	contains similarity to	829	61
		is elegans	SW:RPB1 CRIGR		
1356	AF077226	Homo sapiens	copine III	1876	64
1359	AF217188	Mus musculus	YIP1B	801	63
1360	AC074331	Homo sapiens	ZNF234	3869	100
1361	AL163279	Homo sapiens	homolog to cAMP response	5035	99

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	*
ID NO:	NUMBER			WATERMAN	IDENTITY
			element binding and beta transducin family proteins		
1362	Z48475	Homo saplens	glucokinase regulator	3160	99
1363	Z48475	Homo sapiens	glucokinase regulator	2682	97
1364	AF195764	Homo sapiens	megakaryocyte-enhanced gene	2055	99 .
			transcript 1 protein; MEGT1 protein		
1365	AF116609	Homo sapiens	PR00915	581	100
1366	AF116609	Homo sapiens	PRO0915	581	100
1367	AL117352	Homo sapiens	dJ876B10.3 (novel protein similar to C. elegans	2581	99
1368	Y34124	Homo	T19B10.6 (Tr:Q22557)) Human potassium channel	1342	100
1369		sapiens	K+Hnov15.		
1369	AJ245621 AF008220	Homo sapiens	CTL2 protein	3728	99
		subtilis		429	45
1371	X05562	Homo sapiens	alpha-2 chain precursor (AA - 25 to 1018) (3416 is 2nd base in codon)	5908	99
1372	298048	Homo sapiens	dJ408N23.4 (novel DnaJ domain protein)	1296	99
1373	AF154415	Homo sapiens	FLASH	10253	100
1374	U20286	Rattus norvegicus	lamina associated polypeptide 1C	1567	69
1375	U53445	Homo sapiens	DOC1	1645	46
1376	AL117337	Homo sapiens	bA393J16.1 (zinc finger protein 33a (KOX 31))	250	60
1377	AC005328	Homo sapiens	R26660_1, partial CDS	1126	100
1378	U35113	Homo sapiens	metastasis-associated gene	1823	69
1379	L15313	Caenorhabdit is elegans	putative	858	58
1380	Y25756	Homo sapiens	Human secreted protein encoded from gene 46.	1508	100
1381	AB037360	Homo sapiens	ANKHZN	5734	95
1382	AB037360	Homo sapiens	ANKHZN	959	97
1383	AF237676 AF237676	Mus musculus Mus musculus	G beta-like protein GBL G beta-like protein GBL	1721	96
1385	Y58793	Homo sapiens	Human calcium regulatory	1043 715	70
1386	AF212162		protein CaREG-1.]
1387	AF212162 AL031685	Homo sapiens	ninein dJ963K23.2 (novel protein)	10369	99
1388	AC004890	Homo sapiens	similar to zinc finger	542	33 86
		none suprems	proteins; similar to BAA24380 >W06316 W06316 03-OCT-1996 27-APR-1995 TRP-1 protein.	542	00
1389	AF187989	Homo sapiens	zinc finger protein ZNF223	2665	99
1390 -	AC035150	Homo sapiens	Zinc finger protein ZNF221	3459	1.00
1391	AF287894	Homo sapiens	PIST	1410	97
1392	AF282265	Homo sapiens	inner centromere protein INCENP	1794	99
1393	X90840	Homo sapiens	axonal transporter of synaptic vesicles	4584	99
1394	AF076249	Homo sapiens	zinc finger protein SBBIZ1	3208	99
1395	G02224	Homo sapiens	Human secreted protein, SEQ ID NO: 6305.	299	75
1396	AC004809	Arabidopsis thaliana	Similar to	130	34
1398	AF242519	Homo sapiens	zinc finger protein SBZF3	181	66
1399	AL133396	Homo sapiens	dJ1068H6.4 (prion protein like protein doppel)	962	100
1400	Y48611	Homo sapiens	Human breast tumour- associated protein 72.	817	99
1401	AC004472	Homo sapiens	P1.11659 5	280	54
1402	X91489	Saccharomyce s cerevisiae	putative HMG box	164	27

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID NO:	NUMBER			WATERMAN SCORE	IDENTITY
1403 .	Y79222	Homo sapiens	Human transferase TRNSFS-14.	2842	100
1404	X81058	Mus musculus	tex261	1010	99
1405	AB012084	Mus musculus	ITM	194	29
1406	AB030251	Homo sapiens	GTPase activating protein	3233	99
1407	AJ010585	Rattus rattus	PTB-like protein	2684	99
1408	X75760	Drosophila melanogaster	LRR47	364	29
1409	U76618	Mus musculus	N-RAP	804	48
1410	AC005578	Homo sapiens	F20887_1, partial CDS	835	63
1411	AE000284	Escherichia ccli	orf, hypothetical protein	360	100
1412	X01563	Escherichia coli	L5 (rplE) (aa 1-179)	911	100
1413	W78279	Homo sapiens	Fragment of human secreted protein encoded by gene 33. organic anion transporter	1264	99
1414	AB031051	Homo sapiens	Organic anion transporter OATP-E	3832	100
1415	M17466	Homo sapiens	coagulation factor XII	3455	100
1416	AF097994	Homo sapiens	L-kynurenine/alpha- aminoadipate aminotransferase	2202	99
1417	AF151077	Homo sapiens	HSPC243	1262	99
1418	Y09945	Rattus norvegicus	putative integral membrane transport protein	1098	61
1419	U13152	Mesocricetus auratus	guanine nucleotide-binding protein beta 5	2179	76
1420	AL162458	Homo sapiens	bA465L10.5 (KIAA1176 (novel	5696	100
			protein, presumed ortholog of mouse K-Cl cotransporter KCC2))		
1421	Y99426	Homo sapiens	Human PRO1604 (UNQ785) amino acid sequence SEQ ID NO:308. Human secreted protein clone	152	29
1422	Y94923	Homo sapiens	Human secreted protein clone qs14_3 protein sequence SEQ ID NO:52.	4039	99
1423	AF177388	Homo sapiens	cancer-amplified transcriptional coactivator ASC-2	10748	99
1424	Y48517	Homo sapiens	Human breast tumour- associated protein 62.	1851	99
1425	AF208848	Homo sapiens	BM-006	1454	89
1426	AF208848	Homo sapiens	BM-006	853	79
1427	AF112886	Bos taurus	differentiation enhancing factor 1	4693	95
1428	U41387	Homo sapiens	Gu protein	1372	63
1429	AF161534	Homo sapiens	HSPC049	2853	78
1430	AF125043	Mus musculus	bisphosphate 3'-nucleotidase	275	30
1431	Y66718	Homo sapiens	Membrane-bound protein PRO1106.	1886	100
1432	AF193613	Homo sapiens	cell recognition molecule Caspr2	568	100
1433	AB044560	Mus musculus	Gliacolin	192	34
1434	R99800	Homo sapiens	NTII-1 nerve protein, facilitates regeneration of nerve cells.	707	51
1435	AF220530	Homo sapiens	myo-inositol 1-phosphate synthase A1	2904	100
1436	X70944	Homo sapiens	PTB-associated splicing factor	1261	72
1437	AF271732	Homo sapiens	bridging integrator-3	1282	100
1438	Y30811	Homo sapiens	Human secreted protein encoded from gene 1.	595	98
1439	AJ293659	Homo sapiens	mucolipidin	628	97
1440	AF219138	Homo sapiens	GGA3 long isoform	3083	100
1441	AF219138	Homo sapiens	GGA3 long isoform	3346	100

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	- k
ID	NUMBER		5000001111100	WATERMAN	IDENTITY
NO:				SCORE	200042212
1442	AB039669	Homo sapiens	ALEX3	1944	100
1443	AF237711	Drosophila	Diablo	191	
1443	WE 52 / /TT	melanogaster	DIADIO	191	27
1444	AJ011896	Homo sapiens	Nafi beta protein	439	39
1445	X73874	Homo sapiens	phosphorylase kinase	6233	98
1446	AF214114	Homo sapiens	breast carcinoma-associated	3999	99
1			antigen BCAA		
1447	AF003924	Homo sapiens	ANC 2H01	2645	99
1448	AF003136	Caenorhabdit	Contains weak similarity to	2843	52
		is elegans	an AMP-binding motif	2015	7.
1449	AF155112	Homo sapiens	NY-REN-50 antigen	1184	89
1450	Y95004	Homo sapiens	Human secreted protein	985	100
1450	195004	nomo sapiens		985	100
			vc54_1, SEQ ID NO:48.		
1451	AF107203	Hcmo sapiens	ataxin 2-binding protein	688	57
1452	AF107203	Homo sapiens	ataxin 2-binding protein	456	78
1453	Z38011	Mus musculus	DMR-N9	882	56
1454	X90568	Homo sapiens	Protein sequence and	510	28
			annotation available soon via		
1			LABEIT@EMBL-Heidelberg.DE		
1455	AL035409	Homo sapiens	dJ564M11.3 (similar to	1356	100
1433	ALIO33403	Nomo augrena	sialyltranferase)	1336	100
1456	D44480	Mus musculus	MATH-2 protein	272	100
1458	AF141326				
		Homo sapiens	RNA helicase HDB/DICE1	478	45
1459	AF242552	Gallus	retinovin	945	34
		gallus			
1460	U11036	Homo sapiens	Ibd1	724	84
1461	AB025258	Mus musculus	granuphilin-a	545	39
1462	Y08134	Homo sapiens	acid sphingomyelinase-like	2428	99
			phosphodiesterase		
1463	AC004997	Homo sapiens	match to ESTS 243979	869	98
			(NID:g573097), R19699	003	30
			(NID:g774333)	1	1
1464	AC004997	Homo sapiens	match to ESTs Z43979	869	
Tapa	AC004997	nomo sapiens	(NID:q573097), R19699	869	98
l .					
1465	U32743		(NID:g774333)		
1465	032743	Haemophilus	fucose operon protein (fucU)	315	50
l .		influenzae		i	
		Rd		1	1
1466	Y09022	Homo sapiens	Not56-like protein	2342	100
1467	AC003034	Homo sapiens	Homolog of rat kidney-	1072	99
			specific (KS) gene		
1468	AF071544	Spinacia	ribulose-1,5-bisphosphate	333	26
		oleracea	carboxylase/oxygenase small	333	**
1		ozczacca (subunit N-methyltransferase I		
1469	Y57930	Homo sapiens	Human transmembrane protein	1053	100
1405	137330	none saptens	HTMPN-54.	1023	100
1470	AF032666	Rattus	rsec5		
1470	AP032666		rsec5	4504	93
		norvegicus			
1471	Y70467	Homo sapiens	Human membrane channel	452	74
			protein-17 (MECHP-17).		
1472	AL031033	Homo sapiens	C321D2.1 (Ribosomal Large	1694	100
		_	Subunit Pseudouridine		
1			Synthase protein)	1	
1473	AF177292	Homo sapiens	genethonin 3	4026	98
1474	845936	Homo sapiens	HTS1	1101	50
1475	Y86241	Homo sapiens	Human secreted protein	1879	98
-7/5	200241	**************************************	HOABREO, SEQ ID NO:156.	10/9	26
1476					
1476	AJ010317	Fugu	Sand	1278	68
		rubripes			
1477	U42831	Caenorhabdit	coded for by C. elegans cDNA	846	44
		is elegans	yk99b4.3; similar to human		
			transforming protein		
			(PIR:S22157)		1
1478	X62447	Homo sapiens	PR 264	543	61
1479	X82209	Homo sapiens	MN1	7116	100
1480	U10536	Pan paniscus	MHC class I A	675	84
		Permanetts	THE CAUDD I M	013	0.2

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SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	DIBUNDO	DIDCKII I I ON	WATERMAN	IDENTITY
No:				SCORE	L.Danie, a. a. a.
1481	AL078599	Homo sapiens	dJ991C6.1 (novel protein	1274	65
1			similar to C. elegans		
			F55A12.9 (Tr:P91086))		
1482	298977	Schizosaccha	putative vacuolar protein	256	29
	ł	romyces	l -		
		pombe			
1483	AH005662	Mus musculus	JNK/SAPK-associated protein-1	4968	93
1484	AL050120	Homo sapiens	hypothetical protein	716	100
1485	M27878	Homo sapiens	DNA binding protein	1006	53
1486	Y69161	Homo sapiens	Amino acid sequence of a	575	99
		1	partial protein kinase.		
1487	X84156	Saccharomyce	ATH1	341	29
		s cerevisiae			
1488	AF038963	Homo sapiens	RNA helicase	446	34
1489	U56966	Caenorhabdit	coded for by C. elegans cDNA	620	42
i .		is elegans	yk30b3.5; coded for by C.		
		1 -	elegans cDNA yk30b3.3		
1490	AE000989	Archaeoglobu	enoyl-CoA hydratase (fad-4)	533	46
		s fulgidus			
1491	M80633	Rattus	adenylyl cyclase type IV	707	95
		norvegicus			
1492	Y73342	Homo sapiens	HTRM clone 2709055 protein	3513	99
			sequence.		**
1493	Y17220	Homo sapiens	Human secreted protein (clone	462	37
1		· ·	fj283-11).		
1494	AF133670	Mus musculus	ARL-6 interacting protein-2	701	97
1495	Y94897	Homo	Human protein clone HP10574.	1371	100
		sapiens	-		
1496	AL049699	Homo sapiens	dJ747H23.2 (novel protein)	1550	100
1497	AF037447	Homo sapiens	ribosomal S6 protein kinase	2427	100
1498	AL445067	Thermoplasma	putative target YPL207w of	269	35
		acidophilum	the HAP2 transcriptional		1 00
			complex related protein		
1499	AB039947	Homo sapiens	X11L-binding protein 51	227	36
1500	AJ277750	Homo sapiens	UBASH3A protein	3509	100
1501	AL050333	Homo	dJ93K22.1 (novel protein	2439	100
		sapiens	(contains DKFZP564B116))		
1502	AF179896	Hono sapiens	TALE homeobox protein Meis2b	1140	100
1503	AF178948	Hono sapiens	TALE homeobox protein Meis2a	1177	100
1504	Y53005	Homo sapiens	Human secreted protein clone	1442	99
Į.			pm749 8 protein sequence SEQ		
			ID NO:16.		
1505	X82494	Homo sapiens	fibulin-2	3580	99
1506	X98296	Homo sapiens	ubiquitin hydrolase	783	42
1507	AL034548	Homo sapiens	dJ1103G7.6 (nevel protein)	1098	100
1508	Y76144	Homo sapiens	Human secreted protein	1736	100
		-	encoded by gene 21.		
1509	AF220182	Homo sapiens	uncharacterized hypothalamus	1181	98
		-	protein HT008		1
1510	U64601	Caenorhabdit	Gene probably begins in the	415	58
		is elegans	next cosmid		
1511	AL356192	Neurospera	related to MDM1 protein	196	29
1		crassa	•		1
1512	D17629	Homo	N-acetylgalactosamine 6-	1829	100
	i i	sapiens	sulfate sulfatase (GALNS)		
1513	AF168717	Homo sapiens	x 009 protein	694	99
1514	AJ243531	Homo sapiens	nM15 protein	735	100
1515	AC003672	Arabidopsis	putative C3HC4-type RING zinc	407	30
		thaliana	finger protein		
1516	AP115435	Rattus	syntaxin 17	1374	90
		norvegicus	-2		
1517	AF003140	Caenorhabdit	C44E4.5 gene product	274	31
		is elegans	J		
1518	AB002584	Rattus	beta-alanine-pyruvate	2238	82
		norvegicus	aminotransferase		
1519	AL121764	Schizosaccha	yeast atp12 protein precursor	270	30

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	8
NO:	NUMBER			WATERMAN	IDENTITY
NO:				SCORE	
		romyces	homolog		
1520	AF255910	Ноло	vascular endothelial	547	100
1320	AF255910	sapiens	junction-associated molecule	547	100
1521	D31764	Homo sapiens	KIAA0064		
1522	Y66634	Homo Sapiens		170 985	100
1222	100034	sapiens	Membrane-bound protein PRO190	985	100
1523	Y94450	Homo sapiens			
1523	194450	Homo sapiens	Human inflammation associated	250	43
1524	AC000107		protein		
1524	ACOUOTO	Arabidopsis thaliana	F17F8.22	277	37
1525	AF109377	Mus musculus	1d1Bp		
1526	AL031427	Homo sapiens		1277	83
1527	Y08135	Mus musculus	dJ167A19.4 (novel protein)	1432	99
1527	108135	Mus musculus	acid sphingomyelinase-like	1496	79
1528	AK024423		phosphodiesterase		
1528	AK024423 AF154502	Homo sapiens	FLJ00012 protein	611	100
1529	AF154502	Homo sapiens	quiescent cell proline	679	100
1530			dipeptidase		
	AF205598	Homo sapiens	transposase-like protein	1368	100
1531	AF251039	Homo sapiens	putative zinc finger protein	1420	50
1532	W74805	Homo sapiens	Human secreted protein	493	57
			encoded by gene 77 clone		
			HOEAS24.		
1533	AF039023	Homo sapiens	Ran-GTP binding protein;	5707	99
			RanBP6		
1534	AC007190	Arabidopsis	F23N19.9	374	37
		thaliana			
1535	AB027564	Homo sapiens	DINB1	4482	100
1536	Y36178	Homo sapiens	Human secreted protein	377	87
1537	Y50907	Homo sapiens	Human fetal brain cDNA clone	3693	99
			vb3_1 derived protein.		
1538	AF017368	Mus musculus	faciogenital dysplasia	177	47
			protein 2		
1539	AF266756	Homo sapiens	sphingosine kinase	2011	99
1540	Z48804	Homo sapiens	OA1	2238	100
1541	AF000195	Caenorhabdit	Contains similarity to Pfam	379	42
		is elegans	domain: PF00169 (PH),		
			Score=20.6, E-value=1.9e-05,		
			N=1		
1542	¥71159	Homo sapiens	Human phosphodiesterase	9415	99
			interacting protein,		
			myomegalin.		
1543	X76092	Homo sapiens	DNA binding protein RFX3	3327	100
1544	AB015330	Homo sapiens	HRIHFB2007	631	50
1545	AF198487	Homo sapiens	transcription factor LBP-1b	2822	100
1546	AF016417	Caenorhabdit	Similar to BZIP transcription	518	42
		is elegans	factor		
1547	X55885	Homo sapiens	KDEL receptor	1106	100
1548	AB035495	Carassius	ubiquitin-activating enzyme	836	42
		auratus	E1		ĺ
1549	AL021707	Homo sapiens	dJ508115.4 (KIAA0668)	3688	100
1550	AJ223978	Bacillus	YvqK protein	292	42
		subtilis			
1551	AF145615	Drosophila	BcDNA.GH03377	822	44
		melanogaster			
1552	AL157734	Schizosaccha	putative mannosyltransferase	435	37
		romyces	involved in N-glycosylation		
		pombe			
1553	AF079527	Mus musculus	IBR5	691	63
1554	AB026291	Rattus	acetoacetyl-CoA synthetase	1099	88
		norvegicus			
1555	Y44722	Homo sapiens	Human immune system molecule,	1780	99
			ISMO-3.		
1556	AF116553	Drosophila	antennal-specific short-chain	277	32
		melanogaster	dehydrogenase/reductase		
1557	Y71056	Homo sapiens	Human membrane transport	1975	99

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER			WATERMAN	IDENTITY
NO:				SCORE	22211222
NO.			protein, MTRP-1.	SCORE	
1558	Y71056	Homo sapiens	Human membrane transport	1975	99
1550	171036	ното вартель		1975	99
1559	Y71056		protein, MTRP-1.		
1559	Y71056	Homo sapiens	Human membrane transport	1894	97
			protein, MTRP-1.		
1560	AF092050	Mus musculus	beta-1,3-N-	262	44
1	1		acetylglucosaminyltransferasc		į .
1561	AL109827	Homo sapiens	dJ309K20.2 (acrosomal protein	1607	97
			ACR55 (similar to rat sperm		1 - 1
			antigen 4 (SPAG4)))		
1562	AJ131890	Homo sapiens	DNA polymerase lambda	3002	100
1563	AL035424	Homo sapiens		3015	
1203	WD022454	nomo sapiens	dA22D12.1 (novel protein	3015	100
			similar to Drosophila Kelch		
			proteins)		
1564	AC002400	Homo sapiens	Gene product with similarity	2790	100
		ŀ	to Ubiquitin binding enzyme	1	i
1565	AC005306	Homo sapiens	R27216_1	919	82
1566	AF000195	Caenorhabdit	Contains similarity to Pfam	550	45
	1	is elegans	domain: PF00169 (PH),	1	1.0
1			Score=20.6, E-value=1.9e-05.		
1			N=1		
1567	AB033281	Homo	F-box and WD-repeats protein	2879	100
1201	AB033281			2879	100
		sapiens	beta-TRCP2 isoform C		
1568	D49473	Mus musculus	truncated form of Sox17	1047	78
1569	AK025270	Homo sapiens	unnamed protein product	210	91
1570	X75756	Homo sapiens	protein kinase C mu	4797	99
1571	AF145713	Homo sapiens	SCHIP-1	2398 .	100
1572	AE003831	Drosophila	CG18445 gene product	180	31
l		melanogaster	J		
1573	AF074603	Streptomyces	NonF	205	38
20.0	*** * * * * * * * * * * * * * * * * * *	griseus	110112	203	30
		subsp.			
1574		griseus			
1574	U28993	Caenorhabdit	F22D3.3 gene product	144	27
		is elegans			
1575	AF129507	Homo sapiens	transcription factor ICBP90	287	68
1576	X64878	Homo sapiens	oxytocin receptor	2002	100
1577	AF237711	Droscphila	Diablo	421	54
1		melanogaster			
1578	G00975	Homo sapiens	Human secreted protein, SEQ	480	100
		Dopzono	ID NO: 5056.	1 400	200
1579	AF248744	Cryptosporid	thrombospondin-related	123	33
2317	AL 240 /44	ium parvum	Chrombospondin-relaced	123	33
1580			adhesive protein dJ585I14.2 (novel protein		
1580	AL121782	Homo sapiens	dJ585I14.2 (novel protein	663	100
l			(translation of cDNA	ł	
			Em:AK000219))	ļ	
1581	AP041853 ·	Homo sapiens	kinesin family member protein	345	33
			KIF3A		
1582	AF025441	Homo sapiens	Opa-interacting protein OIP5	1198	100
1583	AE001803	Thermotoga	glycerate kinase, putative	349	34
		maritima	J-,	1	
1584	AF252283	Homo sapiens	Kelch-like 1 protein	3973	100
1585	AF169675	Homo	leucine-rich repeat	3494	
1 . 505	2020/3	sapiens		3494	99
1586	AF118274		transmembrane protein FLRT1		
		Homo sapiens	DNb-5	2628	97
1587	X79440	Homo sapiens	NADP+-dependent malic enzyme	3167	99
1588	X99802	Homo sapiens	ZYG homologue	3966	99
1589	AF169803	Homo sapiens	flavohemoprotein b5+b5R	2563	100
1590	Y29861	Homo sapiens	Human secreted protein clone	181	47
	_		cb98 4.		
1591	Z25535	Homo sapiens	nuclear pore complex protein	7567	99
-551		TOWN SUPTONS	hnup153	,50/	22
1592	X13293		unubipa		
		Homo sapiens	B-myb protein (AA 1-700)	3678	99
1593	M74027	Homo sapiens	mucin	242	27
1594	AL139314	Schizosaccha	hypothetical protein	235	54
L i		romyces			

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	DIDELBE	DISCRIPTION	WATERMAN	IDENTITY
NO:	110110210	i	1	SCORE	IDBNIIII
110,		pombe		SCORE	
1595	W78324	Homo sapiens	Fragment of human secreted	1318	98
			protein encoded by gene 81.	12000	1 20
1596	Y94906	Homo sapiens	Human secreted protein clone	2236	98
			rb649_3 protein sequence SEQ		50
1		1	ID NO:18.		
1597	AF174605	Homo sapiens	F-box protein Fbx25	1408	99
1598	AB032254	Ното	bromodomain adjacent to zinc	9676	98
		sapiens	finger domain 2A	1 20.0	
1599	X73114	Homo sapiens	slow MVBP-C	5568	95
1600	X82200	Homo sapiens	qpStaf50	2305	100
1601	Y00876	Homo	Human LAPH-1 protein	1149	98
1		sapiens	sequence.		1
1502	AJ223351	Homo sapiens	HIRA-interacting protein 3	2821	9.9
1603	AJ222801	Homo sapiens	neutral sphingomyelinase	2268	99
1604	AJ222801	Homo sapiens	neutral sphingomyelinase	1601	99
1605	AF185576	Mus musculus	POZ/zinc finger transcription	3435	97
			factor ODA-8		1
1606	AF093744	Homo sapiens	unknown	131	100
1607	A12142	synthetic	IFN-pseudo-omega 2	800	98
		construct			
1608	Y57949	Homo sapiens	Human transmembrane protein	1868	100
			HTMPN-73.		1
1609	AF151044	Homo sapiens	HSPC210	681	97
1610	X15218	Homo sapiens	ski protein (AA 1 - 728)	3765	100
1611	Y08200	Homo sapiens	rab geranylgeranyl	2976	100
1			transferase	1	
1612	AF220560	Homo sapiens	B/K protein	2486	99
1613	AC004481	Arabidopsis	nodulin-like protein	371	26
	1	thaliana		1	
1614	Y09501	Homo sapiens	NADH-cytochrome-b5 reductase	1607	100
1615	Y15521	Homo sapiens	start position 1	3150	97
1616	AJ010750	Rattus	Castration induced prostatic	890	62
		norvegicus	apoptosis related protein-1,		
			(CIPAR-1)		
1617	X58079	Homo sapiens	S100 alpha protein	481	100
1618	Y66678	Ното	Membrane-bound protein	967	100
1619		sapiens	PRO1009.		
1619	AJ242973	Homo sapiens	peptide methionine sulfoxide	929	100
1620	AF150733	Homo sapiens	reductase	1	
1621	AJ007509		AD-014 protein	288	100
1622	X64177	Homo sapiens	R1B-55kDa-associated protein metallothionein	4646	98
1623	AE001045	Archaeoglobu			100
1623	AE001045	s fulgidus	A. fulgidus predicted coding region AF0859	240	36
1624	AL355013	Schizosaccha	mitochondrial carrier protein	403	34
1024	WIRES POTTS	romvces	mitochondrial carrier protein	403	34
		pombe			
1625	Y66746	Homo	Membrane-bound protein	1184	100
		sapiens	PRO1198.	1104	100
1626	D90053	Sus scrofa	destrin	863	100
1627	Y35954	Homo sapiens	Extended human secreted	756	100
		nome bupicus	protein sequence, SEQ ID NO.	750	100
			203.		
1628	AL031775	Homo sapiens	dJ30M3.2 (novel protein)	470	100
1629	AF132484	Mus musculus	unknown	286	68
1630	AF017096	Drosophila	similar to C. elegans	493	61
		melanogaster	R10H10.6 and S. cerevisiae	***	01
		3	YD8419.03c		
1631	X03077	Homo sapiens	lactate dehydrogenase-A	1704	100
1632	AF151084	Homo sapiens	HSPC250	763	100
1633	AJ001874	Homo sapiens	orf	255	97
1634	AC012187	Arabidopsis	Contains weak similarity to	143	38
		thaliana	GATA-6 DNA-binding protein		1
			gb H36135, gb Z26200 come		
			from this gene.	1 1	

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	
ID	NUMBER	SPECIES	DESCRIPTION	WATERMAN	IDENTITY
NO:		1		SCORE	TDENILLI
1635	AP026246	Homo sapiens	HERV-E integrase	111	90
1636	Y50943	Homo sapiens	Human adult brain cDNA clone	1126	95
			ve8_1 derived protein.		
1637	AP134593	Homo sapiens	L-pipecolic acid oxidase	2068	99
1638	AJ238247	Mus musculus	putative phosphatase subunit	1948	96
1639	Y94942	Homo sapiens	Human secreted protein clone	1320	100
		1	yk251_1 protein sequence SEQ ID NO:90.		
1640	AF235030	Homo sapiens	ID NO:90. BM88 antiqen		
1641	AF233288	Drosophila	WDS	358	99
2047	A1233200	melanogaster	WDS	358	26
1642	И19351	Mus musculus	immunoglobulin heavy chain	145	34
1			binding protein	1	1 .
1643	¥70452	Homo sapiens	Human membrane channel	1352	100
			protein-2 (MECHP-2).		
1644	AP176520	Mus musculus	WD repeat-containing F-box	2676	88
1645			protein FBW5		
1645	W67816	Homo sapiens	Human secreted protein	1156	100
			encoded by gene 10 clone HCEMU42.		
1646	X67155	Homo sapiens	mitotic kinase-like protein-1	4456	99
1647	M63180	Homo sapiens	threonyl-tRNA synthetase	1040	61
1648	Y87342	Homo sapiens	Human signal peptide	1566	93
			containing protein HSPP-119	1500	""
1			SEQ ID NO:119.	1	
1549	R95332	Homo sapiens	Tumor necrosis factor	4137	100
			receptor 1 death domain		
1650	AC007136		ligand (clone 3TW).		
1650	AC007136	Homo sapiens	Putative map kinase interacting kinase	856	99
1651	AB015346	Homo sapiens	Eps15R	4464	99
1652	AL161576	Arabidopsis	putative protein	1341	48
	1	thaliana	pacacave processi	1341	40
1653	AC005313	Arabidopsis	putative calmodulin	288	28
		thaliana			1 20
1654	AL031428	Homo sapiens	dJ184J9.1 (KIAA0601 protein)	3526	100
1655	AL031428	Homo sapiens	dJ184J9.1 (KIAA0601 protein)	3526	100
1656	AB017910	Dictyosteliu	myoM	297	32
1657	Y28919	m discoideum			
1657	128919	Homo sapiens	Human regulatory protein HRGP-5.	2251	99
1658	AF056191	Homo sapiens	TPA inducible protein	2744	
1659	U76846	Arabidopsis	ubiquitin-specific protease	137	98 35
1000	070040	thaliana	ubiquicin-specific procease	13/	35
1660	AL078627	Schizosaccha	actin-like protein; (2 actin	320	34
	1	romyces	domains)	520	34
		pombe			
1662	X52022	Homo sapiens	collagen type VI, alpha 3	16274	99
		-	chain		
1663	AF300648	Homo	guanine nucleotide binding	1811	100
1664	AF214736	sapiens Homo sapiens	protein beta subunit 4 EH domain containing protein	2774	
2004	211224736	nomo saprens	2	2774	100
1665	Z48613	Saccharomyce	unknown	138	26
		s cerevisiae	WILLIAM	130	20
1666	AF177385	Homo	cytochrome c oxidase assembly	1395	99
		sapiens	protein isoform 2		
1667	AC007842	Homo sapiens	BC331191_1	1581	47
1668	S67513	Borna	p40	397	43
		disease			
		virus BDV, WT-1, Halle			
- 1		B1/91, horse			
		brain, field			į.
		isolate,			
		Peptide, 370		J	

SEO	ACCESSION	SPECIES	DESCRIPTION	SMITH-	1
ID	NUMBER	D. DOLLO	Dabeler Lon	WATERMAN	IDENTITY
NO:				SCORE	TERMITT
		aa		SCORE	
1669	Z99753	Schizosaccha	putative NOL1-NOP2-sun family	569	47
1		romyces	nucleolar protein	505	1 */
		pcmbe	F -		
1670	G03130	Hcmo sapiens	Human secreted protein, SEQ	427	97
ĺ	1		ID NO: 7211.	1	1
1671	M96625	Gallus	cardiac muscle tensin	1185	54
		gallus	1		
1672	AF174482	Homo sapiens	polycomb 3	2005	99
1673	Y51846 .	Homo sapiens	Human 18.1 homolog protein	233	29
	<u></u>		fragment.		
1674	AF255334	Homo sapiens	EXP35	152	29
1675	Y94867	Homo	Human protein clone HP10563.	109	30
		sapiens			
1676	Y25712	Homo sapiens	Human secreted protein	3043	99
			encoded from gene 2.		ŀ
1677	Y25712	Homo sapiens	Human secreted protein	1580	91
1678	******		encoded from gene 2.		
1678	AF163151	Homo sapiens	dentin sialophosphoprotein	170	17
1679	AF163151		precursor		
1679	AF163151	Homo sapiens	dentin sialophosphoprotein	170	17
1680	AK024453	Homo sapiens	precursor		
1681	AF019236	Dictvoste iu	FLJ00045 protein	1349	100
TOOT	AF019236	m discoideum	TipD	613	34
1682	AJ243459	Leishmania	proteophosphoglycan	153	
1002	20243433	major	proceophosphogrycan	153	26
1683	Z69369	Schizosaccha	putative GTP-binding protein	560	46
	200000	romyces	pacacive Gir-binding procein	200	46
		pombe		1	1
1684	X94910	Homo sapiens	BRp28	1334	100
1685	AF286475	Takifugu	retinitis pigmentosa GTPase	196	19
		rubripes	regulator-like protein	1200	13
1686	AF191298	Homo sapiens	vacuolar sorting protein 35	4087	100
1687	AJ275986	Homo sapiens	transcription factor	2958	100
1688	AJ275986	Homo sapions	transcription factor	1886	88
1689	X07311	Drosophila	heat shock protein	138	43
		melanogaster			
1690	AF240463	Rattus	LIS1-interacting protein	1383	83
		norvegicus	NUDE1		
1691	AJ272078	Homo sapiens	APOREC-1 stimulating protein	1256	68
1692	AJ272079	Homo sapiens	APOBEC-1 stimulating protein	1336	60
1693	AF177942	Xenopus	katanin p60	1664	66
		laevis			
1694	AF263539	Homo sapiens	arginine N-methyltransferase	1774	100
1695	AF222689	Homo	protein arginine N-	1182	81
1696		sapiens	methyltransferase 1-variant 2		
1695	AK000193 AB041035	Homo sapiens	unnamed protein product	1060	100
109/	AB041035	Homo sapiens	kidney superoxide-producing	3122	100
1698	AB041035	Homo sapiens	NADPH oxidase		
1030	ABOULUSS	Homo sapiens	kidney superoxide-producing	2181	100
1699	AF025772	Homo sapiens	NADPH oxidase		
1700	Y44676	Homo sapiens	C2H2 zinc finger protein Human ARF-Related Protein-1	488	54
1700	144070	HOMO Bapiens	(HARP-1).	938	97
1701	AK022407	Hono sapiens			
1702	AB024574	Homo sapiens	unnamed protein product	315	98
1703	AF055078	Homo sapiens	GTP-binding like protein 2 zinc finger protein 42	1172	100 52
1704	AF198092	Mus musculus	RP42		77
1705	AE003573	Drosophila		1057	
2,03	20003373	melanogaster	CG12474 gene product	161	33
1706	AB036345	Drosophila	aquaporin	164	24
_,,,,	.2000049	melanogaster	adrahorII	TRE	24
1707	Y55927	Homo sapiens	Human STLK2 protein.	2146	100
1708	U27121	Danio rerio	G12	212	47
1709	AL391710	Arabidopsis	putative protein	505	50
			pacacire processi	202	50

SEO	T ACCESSTON	SPECTES	DESCRIPTION	SMITH-	
ID	NUMBER	SPECIES	DESCRIPTION .	WATERMAN	IDENTITY
NO:	avorabal.			SCORE	IDENTITY
		thaliana		DCOKE	
1710	B01311	Homo sapiens	Human PRO241 polypeptide.	1649	97
1711	U40750	Mus musculus	formin binding protein 30	4561	85
1712	AJ011118	Mus musculus	skeletal muscle and cardiac protein	1490	89
1713	AF255303	Homo saciens	membrane-associated nucleic acid binding protein	4416	99
1714	AF255303	Homo	membrane-associated nucleic	2960	100
1715	U08227	sapiens Rattus	acid binding protein Ras-related protein	511	51
1716	AF168795	norvegicus Rattus	schlafen-4	1129	44
1717	AF196304	norvegicus Homo sapiens			1
1718	AL355737	Homo sapiens	SUMC-1-specific protease HMG20A	5804	99
1719	AB029333	Halocynthia	HrPET-1	1782	100
		roretzi		1069	46
1720	AF071317	Mus musculus	COP9 complex subunit 7b	1297	97
1721	AJ272215	Homo sapiens	HEYL protein	1681	99
1722	G01982	Homo sapiens	Human secreted protein, SEQ ID NO: 6063.	718	100
1723	AL032643	Caenorhabdit is elegans	similar to Uncharacterized protein family UPF0034,	825	41
1724	G01972	Homo sapiens	Human secreted protein, SEQ ID NO: 6053.	586	92
1725	Y94441	Homo sapiens	Human Adipose Specific Protein 1.	1231	100
1726	AF255443	Homo sapiens	CGI-201 protein	4397	99
1727	AF183426	Homo sapiens	HT004 protein	1810	99
1728	D10884	Bos taurus	neurocalcin	1002	99
1729	218529	Ga_lus	tensin	1411	84
	i	gallus			1
1730	273423	Caenorhabdit is elegans	cDNA EST EMBL:Z14908 comes from this gene-cDNA EST this gene	233	41
1732	AF090891	Homo sapiens	PRO0105	470	30
1733	AJ277724	Homo sapiens	histone deacetylase 8	2015	100
1734	G04050	Homo sapiens	Human secreted protein, SEO ID NO: 8131.	503	95
1735	D45913	Mus musculus	leucine-rich-repeat protein	3531.	94
1736	AF096709	Drosophila virilis	failed axon connections	276	32
1737	AF195120	Homo sapiens	dynactin p62 subunit	2417	99
1738	L15314	Caenorhabdit is elegans	contains similarity to Pfam family PF01772 N=1	206	37
1739	X54618	Listeria	phosphadidylinositol specific	134	27
		monocytogene	phospholipase C		
1740	AL031658	Homo sapiens	dJ310013.4 (novel protein similar to predicted C. elegans an C. intestinalis proteins)	123	31
1741	Y35924	Homo sapiens	Extended human secreted protein sequence, SEQ ID NO. 173.	1013	99
1742	AC013354	Arabidopsis thaliana	P15H18.15	202	32
1743	W75771	Homo sapiens	Human GTP binding protein APDOS.	1932	59
1744	W75771	Homo sapiens	Human GTP binding protein APDOS.	1854	61
1745	AF221058	Homo sapiens	Ral guanine nucleotide exchange factor RalGPSIA	1224	70
1746	Y99372	Homo sapiens	Human PRC1430 (UNQ736) amino	1332	99
1747	Y94294	Homo sapiens	acid sequence SEQ ID NO:116. Human coenzyme A-ut:lising	842	100
	1	saprens	noman coenzyme w-ucrissing	046	T00

No. No.	SEO					
No. No.			SPECIES	DESCRIPTION		- 8
1748		NUMBER	1			IDENTITY
1748 ACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	NO:				SCORE	
APO00877 Methanosacte conserved protein 231 36						
1750				FLJ00026 protein	1619	100
1750	1749	AE000877	Methanobacte	conserved protein	231	
Company				-		
1750			thermoautotr			1
1750			ophicum			
1751	1750	AF101361		Abnormal Y segregation	102	7.5
1752 AP\$1508 Home sapiens ZMF272 689 100					133	1 33
1752 AP21036 Homo sapiens GRP-Ilke protein 823 159	1751	Y15067		7NIP323	000	
1753 AC003093 Homo aspiens CXYSTRENG_PINDING PROPERTY 32 100						
1754 X69589 Homo sapiens 165KD protein 5703 99 1755 ALO48795 Homo sapiens 165KD protein 5703 100 1756 ALO48795 Homo sapiens 165KD protein 5703 100 1757 AB640672 Homo sapiens 20733D15.1 [Zinc-finger 2765 100 1757 AB640672 Homo sapiens 20733D15.1 [Zinc-finger 2765 100 1758 ALO32393 Homo sapiens 20733D15.1 [Zinc-finger 2765 100 1759 AR107233 Homo sapiens 20732D15.1 [Zinc-finger 2765 100 1759 AR107233 Homo sapiens 20732D15.1 [Zinc-finger 2765 100 1760 ALO32394 Homo sapiens 20732D15.1 [Zinc-finger 2765 100 1761 ALO4721 Homo sapiens 20742D16.1 20752D17.1 2				ONF-TIKE PLOCETH		
1754 X69189	1755	MC003093	nomo sapiens		352	57
1755 M.1048795 Home sapiens 1858.D protein 5703 99	1			454 Similarity to P22059		1
1755 AL043795 Homo applens AUSZELS Tooyel protein] 3039 303 305 30	4000	·				
1756 AL031393 Bome aptiens D3733DIS.1 [Zing-finger protein] 1757 Ab040872 None captiens D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting D37-GalNAc; polypeptide N-accepting						
1757 A8640872 None capiens Devotein Proceedings 1758 A8640872 None capiens Devotein Proceedings 1758 A8640872 None capiens Devotein 1758 A8640872 None capiens Devotein 1758 A8640872 None capiens A31042R10.4 (novel procein) 776 43 1759 A8704082 None capiens A31042R10.4 (novel procein) 776 43 1759 A8704082 None capiens A864082 None capiens A864082 None capiens A864082 None capiens A864082 None capiens A864082 None capiens A864082 None capiens A864082 None capiens A864082 None capiens None				dJ622L5.3 (novel protein)		
1785	1756	AL031393	Homo sapiens		2765	100
1758						
Section Sect	1757	AB040672	Homo sapiens	UDP-GalNAc: polypeptide N-	2020	99
1758 ALCO22236 Homo sapiens ALCO2236 Homo sapiens ALCO2236 Homo sapiens ALCO2236 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens ALCO2237 Homo sapiens Homo sapiens Homo sapiens ALCO2237 Homo sapiens Hom				acetylgalactosaminyltransfera	1	1
1769 AF117533 Homo sapiens Aboble homeobox protein 375 34 1760 Y1205 Homo sapiens Aboble homeobox protein 375 34 1761 ALC049712 Homo sapiens Aboble homeobox protein 2759 39 1761 ALC049712 Homo sapiens Aboble homeobox Alcohor 2759 39 1762 AC002394 Homo Aboble homeobox Aboble homeobox 2759 39 1763 AP159017 Homo sapiens Aboble homeobox Aboble homeobox 2759 39 1764 US1541 Romo sapiens Homo sapiens April homeobox 2750 2750 1765 AB013355 Bacillus Aboble homeobox 2767 100 1765 AB013355 Bacillus Aboble homeobox 2767 276 1766 AC009176 Arabidopsis Ar						
1759 AF:17533 Homo sapiens Abobbe homeobox protein 375 54	1758	AL022238	Homo sapiens	dJ1042K10.4 (novel protein)	776	43
1760	1759	AF117653	Homo sapiens	double homeobox protein		
1761	1760	Y12065		hNon56		
1/62	1761	AT-049712				
1762 AC002394 Homo		110010100	nomo suprema		2595	99
200	1762	AC002294	Lomo			
1764	2702	2002334		to denote between similarity	1542	51
1764	1762	37250012		to dynern beta subunit		
1764	2763	MF169017	nomo sapiens	Tormiminotransferase	877	100
1765 AB013355 Bacillus Pacific Pacif	1004	*****		cyclodeaminase		
2765 AB013365 Bacillus Yappa	1/04	091541	Homo sapiens	human formiminotransferase	596	100
1765				cyclodeaminase (ftcd)protein,		
1765 378421 Homo sapiens Human secreted protein 145 71						
1765	1765	AB013355		·YlqF	350	34
1767						i
1769	1766	Y38421	Homo sapiens	Human secreted protein	145	71
thaliana bisphosphate carboxylaes/covygenase small subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I subunit N-methyltransferase I september I sep			i	encoded by gene No. 36.		1
Triangle	1767	AC009176		putative ribulose-1,5-	216	27
1768			thaliana	bisphosphate		
1768		i		carboxylase/oxygenase small		
1769 AZ039342 Home saptems Immamed proceds Product 737 93 1779 1783342 Kome saptems RNS protein 2665 93 1770 178342 Kome saptems ANSE 1214 56 1772 178342 Kome saptems ANSE 1214 56 1773 1774 17845 Kome saptems ANSE 1214 56 1774 17845 Kome saptems ANSE 1214 56 1774 17845 Kome saptems 1784 17845 17845 17845 1775 1775 18745 Kome saptems 17844 17845 17845 17845 1776 17845 17845 17845 17845 17845 17845 1777 1777 1777 17845 17845 17845 17845 1778 1785 17845 17845 17845 17845 1785 1785 17845 17845 17845 17845 1786 1785 17845 17845 17845 1786 1785 17845 17845 17845 1786 1785 17845 17845 17845 1788 1785 17845 17845 17845 1788 1785 17845 17845 17845 1788 1785 17845 17845 17845 17845 1788 1785 1785 17845 17845 17845 17845 1788 1785 1785 1785 1785 1785 1785 1788 1785				subunit N-methyltransferase I		
1769		AK000647	Homo sapiens	unnamed protein product	737	9.0
1770	1769	AJ238982	Homo saniens			
1771	1770		Homo sariens			
1772	1771					
1773 AL035086 Homo sapiems G744A20.2 (novel process) 2035 330 1774 479426 Homo sapiems G744A20.2 (novel process) 2035 330 1775 AF110330 Homo sapiems Gradient PROSESS (IMPSES matthough 1875 397 1776 A7585529 Homo sapiems Glycerol 3-phosphate permease 2787 100 1777 A7587579 Caenorhaddt CMR SET YR78C1. Comes from 232 31 1778 AV097339 Schlinghams Gradient 1875 59 1779 AL109608 Schlinghams Gradient 1875 59 1780 AF254260 Homo sapiems Luftelin 1729 100 1781 Lo7924 Mus musculus Gradient 1789 1789 1789 1782 A725573 ARDIN SERVICE 1875						
1774 179428 Homo saplems Numer PRO1504 (URC785) amino acid sequence SRO (10 No. 1087) 93 1775				drawnoayrace carrier		
1775				doranzo.2 (novel procein)		
1775	11/4	199420	nomo sapiens	Human PROISU4 (UNQ785) amino	1057	99
1776	1775	377440220	No.			
1777 881579 Caenor-habdit CANA RST VM761.5 comes from 232 3.1						
1778						
1778	T111	281579			232	31
1779						
Tree					1875	99
Tonyoes Family	1779	AL109608		Oxysterol-binding protein	644	38
1780			romyces	family		
1781 L07924 Mus masculus Sunnise nucleotide 147 50				•		
1781 L07924 Mus musculus guanine nucleotide 247 50	1780	AP254260	Homo sapiens	tuftelin 1 ·	1729	700
1782	1781	L07924				
1782 AF295773 Homo sapiens dissociation stimulator 49 49 1783 AK024475 Homo sapiens FLJ00069 protein 4333 100 1784 AK024475 Homo sapiens FLJ00069 protein 3996 93 1785 G63933 Homo sapiens Human secreted protein, SSQ 570 100 1D No: 8014. 1D No: 8014. 100 8014 100 100						30
1783 XX024475 Homo saplens Historical function at the same and state	1782	AF295773	Homo		143	40
1783 AK024475 Home sapkens FLJ00065 protein 4333 100 1784 AK024475 Home sapkens FLJ00065 protein 395 33 1785 G01933 Home sapkens FLJ00065 protein 3995 33 100 DIN: 0.5 014. 570 100					745	43.
1784 AK024475 Homo sapiens PLX00068 protein 3996 93 1785 G03933 Homo sapiens Human secreted protein, SEQ 570 100 100 100 100 100 100 100 100 100 1	1783	AX024475			1222	
1785 G03933 Homo sapiens Human secreted protein, SEQ 570 100 ID NO: 8014.						
ID NO: 8014.						
1786 S82637 Homo saniens To lambda-like cons/beta-	1/05	603933	nown sapiens	Human secreted protein, SEQ	570	100
1/00 1/08/03/ I HOMO Saniens To lambda_like come Chata 200	1200	000000		ID NO: 8014.		
1 100 247 100	1 186	582637	Homo sapiens	Ig lambda-like gene/beta-	247	100

PCT/US00/34263

TABLE 2

SEQ	ACCESSION	SPECIES	DESCRIPTION	SMITH-	*
ID	NUMBER			WATERMAN	IDENTITY
NO:				SCORE	
			glucuronidase exon 11 homolog		

TRADOCS:1416280.I(%CT401!.DOC)

SEQ ID N	O: ACCESSION	DESCRIPTION	RESULTS*
] -	NO.		
2	PL00240	Receptor tyrosine kinase class III proteins.	BL00240B 24.70 8.250e-
3	PR00109	TYROSINE KINASE	12 157-181 PR00109D 17.04 8.085e-
-		CATALYTIC DOMAIN SIGNATURE	13 358-381
4	BL00028	Zinc finger, C2H2 type,	BL00028 16.07 9.400e-
		domain proteins.	10 1129-1146 BL00028 16.07 1.257e-09 820- 837
5	BL00023	Type II fibronectin	BL00023 24.31 8.920e-
		collagen-binding domain proteins.	33 413-450 BL00023 24.31 4.545e-27 353-
6	BL00023	Type II fibronectin	BL00023 24.31 8.920e-
		collagen-binding domain	33 413-450 BL00023
		proteins.	24.31 4.545e-27 353- 390
7	BL00023	Type II fibronectin	BL00023 24.31 8.920e-
		collagen-binding domain	33 413-450 BL00023
		proteins.	24.31 4.545e-27 353- 390
8	BL00023	Type II fibronectin	BL00023 24.31 8.920e-
		collagen-binding domain	33 413-450 BL00023
		proteins.	24.31 4.545e-27 353-
9	BL01160	Kinesin light chain	BL01160B 19.54 5.119e-
		repeat proteins.	09 863-917
1.0	PR00464	E-CLASS P450 GROUP II	PR00464D 17.40 6.182c-
		SIGNATURE	12 294-312 PR00464G 12.41 4.231e-11 377-
			393
11	PR00734	GLYCOSYL HYDROLASE	PR00734I 11.46 4.296e-
12	PF00023	FAMILY 7 SIGNATURE Ank repeat proteins.	09 502-520 PF00023B 14.20 6.500e-
12	FF00023	Ank repeat proteins.	10 89-99 PF00023B
			14.20 2.636e-09 56-66
14	DM00031	IMMUNOGLOBULIN V REGION.	DM00031B 15.41 3.848e-
15	PR00208	GLIADIN AND LMW GLUTENIN	PR00208A 12.59 9.868e-
	1	SUPERFAMILY SIGNATURE	10 517-535 PR00208A
	1		12.59 2.233e-09 520-
17	PD00066	PROTEIN ZINC-FINGER	PD00066 13.92 8.200e-
	1	METAL-BINDI.	14 282-295 PD00066
		1	13.92 9.400e-14 477-
			490 PD00066 13.92 6.500e-13 505-518
	1	1	PD00066 13.92 9.500e-
	1	1	13 254-267 PD00066
	1	1	13.92 1.429e-12 393- 406 PD00066 13.92
			406 PD00066 13.92 6.571e-12 421-434
18	B_00845	CAP-Gly domain proteins.	PL00845 16.43 2.200e-
20	24.00	1 .	25 55-80
20	BL00487	IMP dehydrogenase / GMP reductase proteins.	BL00487E 16.12 5.737e- 26 154-199 BL00487F
		Tomocrase processis.	18.79 8.984e-22 235-
			276 BL00487G 25.82
21	BL00487	700	4.082e-12 287-329
2.1	BL00487	IMP dehydrogenase / GMP reductase proteins.	BL00487E 16.12 5.737e- 26 154-199 BL00487F
			18.79 8.984e-22 235-
			276 BL00487G 26.82
22	BL00107	Protein kinases ATP-	4.082e-12 348-390 BL00107A 18.39 3.250e-
***	200101	binding region proteins.	26 302-333
		1 regrow proceins.	333

SEQ ID NO:	ACCESSION NO.	DESCRIPTION	RESULTS*
23	BL00107	Protein kinases ATP-	BL00107A 18.39 3.250e-
	2200.07	binding region proteins.	26 302 333
25	BL00115	Rukaryotic RNA	BL00115T 8.45 7.273e-
		polymerase II	29 1208-1242 BL00115Q
Į.		heptapeptide repeat	18.08 2.776c-21 953-
		proteins.	983 BL00115Y 11.86
			8.000c-17 1604-1650 BL00115M 19.19 8.130c-
			16 731-774 BL00115H
			14.34 9.3920-16 463-
		1	496 BL00115A 15,44
			7.414e-15 43-82
		1	BL00115R 6.50 6.128e-
			14 983-1010 BL00115J
			16.71 9.289e-14 591- 617 BL00115I 8.33
			4.336e-13 535-590
			BL00115L 12.25 5.939e-
	1		13 662-694 BL00115G
			11.65 6.011e-13 435-
	1		463 BL00115K 15.03
			3.417e-10 617-659 BL001150 16.76 5.805e-
			10 863-913 BL00115P
	i		11.54 7.538e-10 913-
			953 BL00115S 18.24
	1		7.968e-10 1010-1052
			BL00115U 10.34 4.475e-
26	BL00420	Soomah maankan maaska	09 1242-1265
20	BB00420	Speract receptor repeat proteins domain	BL00420A 20.42 4.109e- 11 81-110 BL00420A
		proteins.	20.42 8.820e-10 84-113
27	BL00050	Ribosomal protein L23	BL00050A 23.71 9.250e-
		proteins.	27 94-127 BL00050B
	l		14.81 8.125e-12 133-
28	PR00925	NONHISTONE CHROMOSOMAL	147
	FR00925	PROTRIN HMG17 FAMILY	PR00925E 3.73 3.089e- 10 41-54
		SIGNATURE	20 41-24
29	PF00756	Putative esterase.	PF00756C 14.12 1.108e-
32	P7 00 PP		09 486-516
32	BL00557	FMN-dependent alpha-	BL00557D 17.76 5.065e-
		hydroxy acid dehydrogenases proteins.	37 274-316 BL00557A 35.08 8.909e-29 24-73
		denyarogenases proceins.	BL00557C 15.59 1.000e-
			28 227-257 BL00557B
	ľ	1	21.27 8.898e-22 130-
34			169
34	PR00629	SHC PHOSPHOTYROSINE INTERACTION DOMAIN	PR00629E 9.90 5.886e-
		SIGNATURE	35 299-328 PR00629F 10.95 8.364e-32 334-
		DIGMINION	361 PR00629B 13.66
			3.786e-27 224-247
		1	PR00629A 13.45 8.364e-
			21 206-222 PR00629C
	1		3.80 4.000e-12 249-261
		1	PR00629D 12.45 3.739e-
35	PD01270	RECEPTOR FC	11 276-286
		RECEPTOR FC IMMUNOGLOBULIN AFFIN.	PD01270A 17.22 1.000e- 40 39-79 PD01270B
			22.18 2.875e-38 94-131
	1		PD01270D 24.66 3.7000-
	i		34 171-207 PD01270C
			19.54 3.455e-30 137-
36	DESCRIPTION		166
30	PD01270	RECEPTOR FC	PD01270A 17.22 1.000e-
	l	IMMUNOGLOBULIN AFFIN.	40 39-79 PD01270B 22.18 2.875e-38 94-131
			44.10 2.8/50-38 94-131

SEQ ID NO:	ACCESSION NO.	DESCRIPTION	RESULTS*
	NO.		PD01270D 24.66 3.700e-
			34 171-207 PD01270C
			19.54 3.455e-30 137- 166
37	BL00412	Neuromodulin (GAP-43) proteins.	BL00412C 10.28 9.241e- 10 264-298
38	BL00412	Neuromodulin (GAP-43) proteins.	BL00412C 10.28 9.241e- 10 264-298
39	BL00412	Neuromodulin (GAP-43) proteins.	BL00412C 10.28 9.241e- 10 264-298
40	PR00380	KINESIN HEAVY CHAIN	PR00380B 12.64 7.366e-
		SIGNATURE	14 342-360 PR00380C 13.18 6.927e-13 375- 394 PR00380D 9.93
			2.180e-12 429-451 PR00380A 14.18 5.154e-
			12 143-165
44	BL00345	Ets-domain proteins.	BL00345B 21.28 1.000e-
			40 239-290 BL00345A 13.96 2.452e-14 204-
			223
45	BL00345	Ets-domain proteins.	BL00345B 21.28 1.000e- 40 215-266 BL00345A
			40 215-266 BL00345A 13.96 2.452e-14 180-
			199
46	DM01551	kw OSTEOINDUCTIVE YOPM MEMBRANE OUTER.	DM01551A 15.63 3.538e- 26 172-202 DM01551C
		MENDRAND COLER.	14.62 3.571e-17 232-
			252 DM01551B 8.84
47	PROC876	NEMATODE METALLOTHIONEIN	4.750e-11 214-226 PR00876B 7.66 9.328e-
		SIGNATURE	11 246-260
48	PD01066	PROTEIN ZINC FINGER ZINC-PINGER METAL-	PD01066 19.43 4.231e- 33 6-45
		BINDING NU.	
50	BL00972	Ubiquitin carboxyl-	BL00972D 22.55 7.750e-
50		terminal hydrolases family 2 proteins.	19 994-1019 BL00972A 11.93 7.120e-18 216-
			234 BL00972E 20.72
			9.471e-14 1020-1042 BL00972C 16.48 7.000e-
	1	1.	13 360-375 BL00972B
			9.45 8.269e-10 302-312
51	BL00972	Ubiquitin carboxyl- terminal hydrolases	BL00972D 22.55 7.750e- 19 990-1015 BL00972A
		family 2 proteins.	11.93 7.120e-18 216-
			234 BL00972E 20.72
			9.471e-14 1016-1038 BL00972C 16.48 7.000e-
			13 360-375 BL00972B
			9.45 8.269e-10 302-312
52	BL01115	GTP-binding nuclear protein ran proteins.	BL01115A 10.22 3.063e- 14 10-54
53	PR00988	URIDINE KINASE SIGNATURE	PR00988A 6.39 8.500e-
			17 20-38 PR00988F 12.23 7.828e-15 196-
		1	210 PR00988C 13.64
			6.108e-14 104-120
		1	PR00988E 8.27 3.872e- 11 174-186 PR00988D
		1	5.95 6.878e-10 160-171
		1	PR00988B 11.60 2.915e-
55	PR00762	CHLORIDE CHANNEL	09 57-69 PR00762C 9.29 4.682e-
55	2.00.702	SIGNATURE	21 294-314 PR00762D
			11.29 4.103e-19 509-
			530 PR0C762A 14.22 9.333e-18 199-217
	1		J.JJJE-10 199-211

SEQ ID NO:	ACCESSION NO.	DESCRIPTION	RESULTS*
			PR00752F 15.12 3.100e- 16 563-583 PR00762B
			12.12 6.063e-16 230- 250 PR00762E 12.07
			2.286e-15 545-562
	1		PR00762G 14.13 6.276e-
56	BL00216	Sugar transport	13 601-616 BL0021GB 27.64 8.800e-
58		proteins.	10 153-203
58	PF00791	Domain present in ZO-1 and Unc5-like netrin	PF00791B 28.49 2.049e- 10 1080-1135
		receptors.	
59	PF00791	Domain present in ZO-1 and Unc5-like netrin	PF00791B 28.49 2.049e-
		receptors.	10 1062-1117
61	PD01929	KINASE TYPE RESISTANCE	PDC1929E 10.76 9.018e-
		ANTIBIOTIC TRANSFERASE AM.	09 206-221
68	PR00360	C2 DOMAIN SIGNATURE	PR00360A 14.59 7.395e- 09 680-693
69	PR00360	C2 DOMAIN SIGNATURE	PR00360A 14.59 7.395e-
			09 670-683
70	PF00651	BTB (also known as BR- C/Ttk) domain proteins.	PF00651 15.00 8.714e- 10 51-64
72	DM00179	w KINASE ALPHA ADHESION	DM00179 13.97 5.304e-
73	BL00239	T-CELL. Receptor tyrosine kinase	09 108-118 BL00239B 25.15 7.075e-
	2200233	class II proteins. Receptor tyrosine kinase	12 118-156
74	BL00790	Receptor tyrosine kinase	BL00790N 13.25 6.116e-
76	DM00471	class V proteins. 0 PROKARYOTIC DNA	10 93-120 DM00471A 11.73 9.357e-
		TOPOISOMERASE I.	13 53-66 DM00471B
80	PD02876	DECARBOXYLASE	8.45 4.857e-12 70-81
•0	PD02876	PHOSPHATIDYLSERINE.	PD02876C 8.80 2.723e- 13 223-236 PD02876D
			12.13 2.588e-12 334-
81	PD02876	DECARBOXYLASE	351 PD02876C 8.80 2.723e-
		PHOSPHATIDYLSERINE.	13 282-295 PD02876D
			12.13 2.588e-12 393-
83	BL00708	Prolyl endopeptidase	BL00708B 24.91 7.197e-
		family serine proteins.	12 570-601
84	PR00014	FIBRONECTIN TYPE III REPEAT SIGNATURE	PR00014C 15.44 8.043e-
86	PR00678	PI3 KINASE P85	PR00678H 9.13 1.379e-
		REGULATORY SUBUNIT SIGNATURE	09 246-269
89	PR00320	G-PROTEIN BETA WD-40	PR00320C 13.01 8.200e-
		REPEAT SIGNATURE	09 264-279 PR00320B
			12.19 8.650e-09 264-
93	BL00455	Putative AMP-binding	279 BL00455 13.31 2.588e-
		domain proteins.	14 316-332
95	BL0C107	Protein kinases ATP- binding region proteins.	BL00107A 18.39 4.000e- 10 123-154
96	BL00107	Protein kinases ATP-	BL00107A 18.39 4.000e-
97	PR0008:	binding region proteins.	10 212-243
31	PRODUSE	GLUCOSE/RIBITOL DEHYDROGENASE FAMILY	PR00081B 10.38 6.318e- 13 134-146 PR00081A
		SIGNATURE	10.53 2.500e-12 54-72
		KINESIN HEAVY CHAIN	PR00380A 14.18 5.500e-
98	PR00380		
98	PR00380	SIGNATURE	24 401-423 PR00380D
98	PR00380		24 401-423 PR00380D 5.93 7.188e-20 613-635 PR00380B 12.64 7.517e-
98	PR00380		24 401-423 PR00380D 9.93 7.188e-20 613-635

SEQ ID NO:	ACCESSION NO.	DESCRIPTION	RESULTS*
102	PR00300	ATP-DEPENDENT CLP PROTEASE ATP-BINDING SUBUNIT SIGNATURE	PR00300A 9.56 7.545e- 14 289-308
104	BL00479	Phorbol esters / diacylglycerol binding domain proteins.	BL00479B 12.57 6.786e- 18 298-314 BL00479A 19.86 4.913e-16 155- 178 BL00479A 19.86 4.300e-13 272-295 BL00479B 12.57 6.294e- 12 181-197
106	BL01019	ADP-ribosylation factors family proteins.	BLC1019A 13.20 8.013e- 12 43-83
107	DM01970	0 kw ZK632.12 YDR313C ENDOSOMAL III.	DM01970B 8.60 5.000e- 16 403-416
108	BL00191	Cytochrome b5 family, heme-binding domain proteins.	3L00191K 17.38 4.951e- 27 238-282 BL00191J 11.37 6.447e-17 182- 204
109	PD01066	PROTEIN ZINC FINGER ZINC-FINGER METAL- BINDING NU.	PD01066 19.43 4.938e- 37 8-47
110	BL01138	Scorpion short toxins proteins.	BL01138A 10.96 8.297e- 10 38-50
113	BL00107	Protein kinases ATP- binding region proteins.	BL00107A 18.39 5.800e- 23 156-187 BL00107B 13.31 9.100e-14 225- 241
117	BL00214	Cytosolic fatty-acid binding proteins.	BL00214B 26.51 1.000e- 17 46-91 BL00214A 21.17 7.052e-11 5-31
118	BL00107	Protein kinases ATP- binding region proteins.	BL00107A 18.39 8.560e- 13 36-67
119	PR00529	GONADOTROPHIN RELEASING HORMONE RECEPTOR SIGNATURE	PR00529C 11.03 7.506e- 10 158-177
120	PR00320	G-PROTEIN BETA WD-40 REPEAT SIGNATURE	PR00320C 13.01 9.400e- 09 80-95
121	FR00320	G-PROTEIN BETA WD-40 REPEAT SIGNATURE	PR00320C 13.01 9.400e- 09 80-95
127	BL00215	Mitochondrial energy transfer proteins.	BL00215A 15.82 7.158e-
128	BL01032	Protein phosphatase 2C proteins.	BL01032C 6.14 3.195e- 12 147-157 BL01032H 11.25 5.680e-11 318- 331 BL01032G 8.33 8.932e-11 282-296 BL01032I 10.42 8.902e- 09 379-389
129	BL01310	ATPIG1 / PLM / MAT8 family proteins.	BL01310 14.74 6.694e- 26 28-64
130	PR00990	RIBOKINASE SIGNATURE	PR00990B 12.32 9.534e- 15 47-67 PR00990A 16.23 5.500e-14 20-42 PR00990C 12.62 2.412e- 09 119-133
133	BL00880	Acyl-CoA-binding protein.	Bh00880 17.52 5.576e- 26 72-122
134	BL00030	Eukaryotic RNA-binding region RNP-1 proteins.	BL00030A 14.39 9.308e- 14 18-37
135	PR00215	NEUROMODULIN SIGNATURE	PR00215C 13.98 6.779e- 10 475-496
136	BL01310	ATPIG1 / PLM / MATS family proteins.	BL01310 14.74 2.432e- 29 71-107
140	BL00028	Zinc finger, C2H2 type, domain proteins.	BL00028 16.07 7.882c- 14 214-231 BL00028 16.07 9.471e-14 102- 119 BL00028 16.07 2.800e-13 18-35

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	ACCESSION	DESCRIPTION	RESULTS*
	NO.		
			BL00028 16.07 5.500e-
	1)	13 74-91 BL00028
			16.07 9.100e-13 186-
			203 BL00028 16.07
			8.043c-12 46-63
			BL00028 16.07 8.435e-
			12 130-147 BL00028
			16.07 9.217e-12 270-
			287 BL00028 16.07
	1		6.192e-11 242-259
			BL00028 16.07 4.000e-
			10 158-175
141	BL00501	Signal peptidases I	BL00501D 16.69 9.538e-
		serine proteins.	14 113-133 BL00501C
			9.61 8.688e-10 89-101
143	EL01020	SAR1 family proteins.	BL01020C 15.35 7.722e-
			20 79-130
146	PD01066	PROTEIN ZINC FINGER	PD01066 19.43 6.400e-
	1	ZINC-FINGER METAL-	25 335-374
		BINDING NU.	
149	BL00126	3'5'-cyclic nucleotide	BL00126C 22.07 1.450e-
	1	phosphodiesterases	25 509-550 BL00126E
	1	proteins.	35.22 3.951e-16 654-
	1	1	709 BL00126D 25.50
	I		1.360e-15 565-604
	1		BL00126B 15.20 8.200e-
	1		11 483-495 BL00126A
	1		27.56 8.269e-11 442-
			479
151	BL00632	Ribosomal protein S4	BL00632 23.79 5.271e-
		proteins.	20 106-149
154	BL00559	Bukaryotic molybdopterin	BL00559I 13.63 5.304e-
		oxidoreductases	19 29-58 BL00559K
	į.	proteins.	13.17 2.957e-18 172-
			199 BL00559J 19.63
			8.385e-13 99-151
		1	BL00559L 13.60 5.814e-
			12 241-259
155	PR00449	TRANSFORMING PROTEIN P21	PR00449A 13.20 1.692e-
		RAS SIGNATURE	13 13-35
155	PR00449 BL00405		13 13-35 BL00406D 12.58 2.547e-
		RAS SIGNATURE	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A
		RAS SIGNATURE	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50
		RAS SIGNATURE	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e-
		RAS SIGNATURE	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 69-124 BL00406C
157	BL00405	RAS SIGNATURE Actins proteins.	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 69-124 BL00406C 6.75 9.682e-12 128-183
		RAS SIGNATURE Actins proteins. Zinc carboxypeptidases,	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 69-124 BL00406C 6.75 9.682e-12 128-183 BL00132A 26.07 7.005e-
157	BL00405	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 59-124 BL00406C 6.75 9.682e-12 128-183 BL00132A 26.07 7.005e- 14 22-63 BL00132C
157	BL00405	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases,	13 13-35 BL00406D 12.59 2.547e- 18 275-330 BL00406A 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 69-124 BL00406C 6.75 9.62e-12 12e-183 BL00132A 26.07 7.005e- 14 22-63 BL00132C 21.35 3.466e-12 104-
157	BL00405	RAS SIGMATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins.	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406R 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 69-124 BL00406C 6.75 9.682e-12 128-183 BL00132A 26.07 7.050e- 14 22-63 BL00132C 21.35 3.466e-12 104- 145
157	BL00405	RAS SIGNATURE Actins proteins. Zirc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406N 9.95 5.776e-16 15-50 BL00406B 5.47 7,429e- 12 69-124 BL00406C 6.75 9.682e-12 128-183 BL00132N 26.07 7.050e- 14 22-63 BL00132C 21.35 3.466e-12 104- 145 PR00109B 12.27 9.032e-
157	BL00405	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CATALITIC DOMAIN	13 13-35 BL00406D 12.58 2.547e- 18 275-330 BL00406R 9.95 5.776e-16 15-50 BL00406B 5.47 7.429e- 12 69-124 BL00406C 6.75 9.682e-12 128-183 BL00132A 26.07 7.050e- 14 22-63 BL00132C 21.35 3.466e-12 104- 145
160	BL00132	RAS SIGNATURE Actins proteins. Zirc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KINASE CATALITIC DOMAIN SIGNATURE	13 13-35 BLOQGED 12.58 2.547e- 18 275-330 BLOQGED 12.58 2.547e- 18 275-330 BLOQGED 9.95 5.776e-16 25-50 BLOQGED 5.47 7.429e- 12 69-124 BLOQGED 6.75 9.662e-12 128-18 BLOQIS2A 26.70 7.009e- 14 22-63 BLOQIS2C 21.55 3.466e-12 104- 145 PROQUOSS 12.27 9.043e- 13 139-158
157	BL00405	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TROSINE KIMASE CATALITIC DOMAIN SIGNATURE RIBOSOME PROTEIN	13 13-35 BLOGGGED 12.58 2.547e- 18 275-330 BLOGGGED 9.95 5.776e-16 15-50 BLOGGGED 5.47 7.429e- 12 59-12 BLOGGGE 6.75 9.622e-12 128-13 BLOGGGED 5.67 7.602- 11.65 6.76 6.76 12.76 6.76 12.7
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TRASSINE WIMASS CAYALITIC DOMAIN SIGNATURE RIDSOWNI PROTEIN RIDSOWNI PROTEIN RIDSOWNI PROTEIN	13 13-35 BLOGGGED 12-58 2.547e-18 BLOGGGED 12-58 2.547e-18 18-275-330 BLOGGGED 18-25-35 2.757e-16-15-50 12-69-124 NLOGGGE 6.75 9.622-12-128-18 BLOG132A 25-07 7.003e-14 22-63 BLOG132C 21.35 3.466e-12 104-145 PROCIOSB 12.27 3.043e-13 139-158 BLOGGEZ 24.67 9.700e-15 129-175 139-158
160	BL00132	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TROSINE NIMASE CATALITIC LOMAIN SIGNATURE RIBOSOMEN PROTEIN DEAD-BOX SUBFAMILY ATP-	13 13-35 BLOGGGED 12.58 2.547e- 18 275-330 BLOGGGED 9.95 5.776e-16 15-50 BLOGGGED 5.47 7.429e- 12 59-12 BLOGGGE 6.75 9.622e-12 128-13 BLOGGGED 5.67 7.602- 11.65 6.76 6.76 12.76 6.76 12.7
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TRASSINE WIMASS CAYALITIC DOMAIN SIGNATURE RIDSOWNI PROTEIN RIDSOWNI PROTEIN RIDSOWNI PROTEIN	13 13-35 BLOGGGED 12-58 2.547e-18 BLOGGGED 12-58 2.547e-18 18-275-330 BLOGGGED 18-25-35 2.757e-16-15-50 12-69-124 NLOGGGE 6.75 9.622-12-128-18 BLOG132A 25-07 7.003e-14 22-63 BLOG132C 21.35 3.466e-12 104-145 PROCIOSB 12.27 3.043e-13 139-158 BLOGGEZ 24.67 9.700e-15 129-175 139-158
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TROSINE NIMASE CATALITIC LOMAIN SIGNATURE RIBOSOMEN PROTEIN DEAD-BOX SUBFAMILY ATP-	13 13-35 BLOGGGED 12.58 2.547e- 18 275-330 BLOGGED 12.58 2.547e- 18 275-330 BLOGGED 9.95 5.776e-16 15-50 BLOGGED 5.47 7.429e- 12 59-124 BLOGGED 6.75 9.622e-12 122e-13 BLOGGED 22.67 7.6005- 14 22-63 BLOGGED 22.68 BLOGGED 22.69 BLOGGED 23.102- 145 3.139-158 BLOGGED 24.67 9.700e- 15 129-172 BLOGGED 24.67 9.700e- 15 129-172 BLOGGED 24.67 9.700e-
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CAMADITIC DOMAIN RELEASE RELEASE EXPLOSED PROTEINS DEAD-DOX SUDFAMILTY ATP- dependent helicases	13 13-35 BLOCOGED 12-58 2.547e- 18 275-330 BLOCOGED 12-58 2.547e- 18 275-330 BLOCOGED 9.35 5.776e-16 15-50 BLOCOGED 23 5.500000000000000000000000000000000000
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CAMADITIC DOMAIN RELEASE RELEASE EXPLOSED PROTEINS DEAD-DOX SUDFAMILTY ATP- dependent helicases	13 13-35 BLOGGGED 12-58 2.547e-18 BLOGGGED 12-58 2.547e-18 BLOGGGED 12-58 15-50 18 5.776e-16 15-50 12 69-124
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CAMADITIC DOMAIN RELEASE RELEASE EXPLOSED PROTEINS DEAD-DOX SUDFAMILTY ATP- dependent helicases	13 13-35 BLOGGGED 12-58 2.547e-18 BLOGGGED 12-58 2.547e-18 BLOGGGED 12-58 15-50 18 5.776e-16 15-50 12 69-124
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CAMADITIC DOMAIN RELEASE RELEASE EXPLOSED PROTEINS DEAD-DOX SUDFAMILTY ATP- dependent helicases	13 13-35 BLOGGGED 12.58 2.547e- 10 275-330 BLOGGGED 12.58 2.547e- 10 275-330 BLOGGED 12.58 1.000000000000000000000000000000000000
160	BL00132 PR00109 BL00362	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TRASSINE KIRASS CAYALATIC DOMAIN SIGNATURE RIDOSOMAI PROTEIN SI5 proteins. DEAD-box subfamily ATP-dependent helicases proteins.	13 13-15 BLOCOGED 12-58 2.547e-18 BLOCOGED 12-58 2.547e-18 BLOCOGED 12-58 15-50 18 257-530 BLOCOGED 12 59-124 NLOCOGED 12 59-124 NLOCOGED 12 59-124 NLOCOGED 12 59-124 NLOCOGED 12 53-465e-12 104-14 14 22-63 BLOCO132C 1.55 3.465e-12 104-14 15 139-156 BLOCOSED 12.77 3.043e-13 13-15 129-172 BLOCOSSP 24.67 9.700e-15 15 129-172 BLOCOSSP 21.67 1.000e-15 15 640-656 BLOCOSSP 11.44 1.954e-13 212-25 15 BLOCOSSP 15.15 BLOCOSSP 15.15 BLOCOSSP 15.15 BLOCOSSP 15.15 BLOCOSSP 15.63 8.773e-12 465-469
157 160 165 168	BL00132 PR00109 BL00362 BL00339	RAS SIGNATURE Actins proteins. Zinc cathoxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CATALITIC DOMAIN SIGNATURE RIDOSOMAL PROTEIN SIS proteins. DEAD-DOX Gubfamily ATP- dependent helicases proteins.	13 13-35 BLOGGGED 12.58 2.547e- 18 275-330 BLOGGGED 12.58 2.547e- 18 275-330 BLOGGED 9.95 5.776-16 15-50 BLOGGGED 5.47 7.429e- 12 59-122 BLOGGGED 9.55 5.776-16 15-50 BLOGGED 5.47 7.429e- 18 BLOGGGED 9.55 14-65-16 15-50 BLOGGGED 9.55 14-65-16 15-1
157 160 165 168	BL00132 PR00109 BL00362 BL00359 PR00449	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CAMANTIC DOMAIN CAMANTIC DOMAIN ELBOAGHI PROTEIN SIS PREAD-BOX subfamily ATP- dependent helicases proteins. TRANSFORMING PROTEIN P21 TRANSFORMING PROTEIN P21 TRANSFORMING PROTEIN P21 TRANSFORMING PROTEIN P21	13 13-35 BLOCOGED 12-58 2.547e-18 BLOCOGED 12-58 2.547e-18 18-275-330 BLOCOGED 12-59-18 18-25-18-18-18-18-18-18-18-18-18-18-18-18-18-
167 160 168 169	BL00132 PR00109 BL00362 BL00339	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KINASE CATALITIC DOMAIN SIGNATURE RIBOSOMAI Protein S15 proteins. DEAD-DOX subfamily ATP- dependent helicases proteins. TRANSFORMING PROTEIN P21 RAS SIGNATURE ATPLGS / PIM / MATS	13 13-35 BLOGGGED 12.58 2.547e-18 275-330 BLOGGGED 12.58 2.547e-18 275-330 BLOGGGED 9.95 5.776-16 15-50 BLOGGGED 5.95 2.776-25e-16 15-50 BLOGGGED 5.776-25e-17 22.075-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-12 15-18 100-1
167 160 168 169	BL00132 PR00109 BL00362 BL00359 PR00449	RAS SIGNATURE Actins proteins. Zinc carboxypeptidases, zinc-binding region 1 proteins. TYROSINE KIMASE CAMANTIC DOMAIN CAMANTIC DOMAIN ELBOAGHI PROTEIN SIS PREAD-BOX subfamily ATP- dependent helicases proteins. TRANSFORMING PROTEIN P21 TRANSFORMING PROTEIN P21 TRANSFORMING PROTEIN P21 TRANSFORMING PROTEIN P21	13 13-35 BLOCOGED 12-58 2.547e-18 BLOCOGED 12-58 2.547e-18 18-275-330 BLOCOGED 12-59-18 18-25-18-18-18-18-18-18-18-18-18-18-18-18-18-

SEQ ID NO:	ACCESSION	DESCRIPTION	RESULTS*
-	NO.	BINDING NU.	
180	PR00007	COMPLEMENT CIC DOMAIN	PR00007B 14.16 7.429e-
	FR00007	SIGNATURE	20 160-180 PR00007A 19.33 4.938e-19 133- 160 PR00007C 15.60 1.225e-15 206-228 PR00007D 9.64 6.885e-
181	BL00027	'Homeobox' domain proteins.	11 238-249 BL00027 26.43 9.526e- 24 280-323
182	BL00027	'Homeobox' domain proteins.	BL00027 26.43 9.526e- 24 263-306
183	BL00027	'Homeobox' domain proteins.	BL00027 26.43 9.526e- 24 28C-323
1.84	BL00027	'Homeobox' domain proteins.	BL00027 26.43 9.526e- 24 263-306
188	PR00929	AT-HOOK-LIKE DOMAIN SIGNATURE	PR00929C 5.26 3.328e- 09 460-471
189	PR00929	AT-HOOK-LIKE DOMAIN SIGNATURE	PR00929C 5.26 3.328e-
190	BL00383	Tyrowine specific protein phosphatases proteins.	BLO0383F IS.S1 7.188c. 17 566-682 BL00383F 13.34 8.714c-17 162-177 BL00383R 10.35 1.000c-14 333-344 BL00383F 10.35 7.300c-15 24.72 BL00383C 10.10 3.71c-57 BL00383C 10.10 3.000c-11 2.17-228 BL00383C 10.10 3.000c-11 2.17-228 BL00383C 10.10 3.000c-11 2.17-228 BL00383C 10.10 1.750c-01 1.27 50c-01
191	PR00450	RECOVERIN FAMILY SIGNATURE	PR00450C 12.22 7.911e- 15 83-105 PR00450C 12.22 6.286e-13 47-69
193	PF00564	Octicosapeptide repeat proteins.	PF00564B 24.74 6.164e- 16 227-278
194	PR00503	BROMODOMAIN SIGNATURE	PR00503D 20.81 9.156e- 15 204-224 PR00503B 9.96 9.571e-13 170-187
195	BL00901	Cysteine synthase/cystathionine beta-synthase P- phosphate att.	BL00901C 20.63 3.429e- 18 67-117
197	BL00636	Nt-dnaJ domain proteins.	BL00635A 8.07 6.211e- 17 40-57 BL00636B 15.11 2.000e-13 67-88
198	PR00690	ADHESIN FAMILY SIGNATURE	PR00690A 10.86 9.866e- 09 463-482
199	BL01131	Ribosomal RNA adenine dimethylases proteins.	BL01131A 26.62 2.343e- 12 84-130
201	PR00910	LUTECVIRUS ORF6 PROTRIN SIGNATURE	PR00910A 2.51 8.352e- 12 509-522
203	DM00215	PROLINE-RICH PROTEIN 3.	DM00215 19.43 2.286e- 10 39-72
206	PR00261	LOW DENSITY LIPOPROTEIN (LDL) RECEPTOR SIGNATURE	PR00261A 11.02 4.462e- 19 65-87 PR00261C 11.37 9.308e-19 65-87 PR00261D 12.47 2.667e- 18 65-87 PR00261B 14.12 4.000e-18 143- 165 PR00261A 11.02

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SEQ ID NO:	ACCESSION	DESCRIPTION	RESULT'S*
DEG 15 NO.	NO.	DESCRIPTION	
			4.833e-18 143-165 PR00261D 12.47 7.500e- 18 143-165 PR00261B 14.12 5.065e-16 65-87 PR00261C 11.37 8.967e- 16 143-165 PR00261F 11.57 4.938e-13 143- 165 PR00261E 11.08
			7.188e-13 65-87 PR00261F 11.57 7.188e- 13 65-87 PR00261E 11.08 1.643e-11 143- 165
209	PF00791	Domain present in ZO-1 and Unc5-like netrin receptors.	PF00791B 28.49 6.143e- 13 118-173 PF00791C 20.98 7.680e-10 132- 171
211	PR00007	CUMPLEMENT CIQ DOMAIN SIGNATURE	PR00007A 19.33 5.781e- 19 131-158 PR00007B 14.16 4.115e-18 158- 178 FR00007C 15.60 1.675e-15 201-223 PR00007D 9.64 7.231e- 11 233-244
212	BL00183	Ubiquitin-conjugating enzymes proteins.	BL00183 28.97 1.545e- 30 43-91
213	BL00183	Ubiquitin-conjugating enzymes proteins.	BL00183 28.97 1.545e- 30 43-91
215	BL00039	DEAD-box subfamily ATP- dependent helicases proteins.	BL00039D 21.67 1.900e- 29 568-614 BL00039A 18.44 1.871e-23 21-60 BL00039C 15.63 1.720e- 11 364-388 BL00039B 19.19 4.064e-11 277-
217	BL00100	Chloramphenicol acetyltransferase proteins.	303 BL00100D 17.22 8.484e- 09 68-106
219	PR00213	MYELIN PO PROTEIN SIGNATURE	PR00213C 15.94 3.969e- 11 199-227
222	BL00678	Trp-Asp (WD) repeat proteins proteins.	BL00678 9.67 1.947e-09
224	PR00875	MOLLUSC METALLOTHIONEIN SIGNATURE	PR00875A 5.83 1.000e-
225	BL00636	Nt-dnaJ domain proteins.	BL00636B 15.11 8.200e- 19 18-39
226	BL00636	Nt-dnaJ domain proteins.	BL00636A 8.07 1.000e- 21 21-38 BL00636B 15.11 8.200e-19 45-66
229	PR00301	70 KD HEAT SHOCK PROTEIN SIGNATURE	PR00301F 13.98 7.563e- 13 329-346 PR00301G 13.78 4.300e-12 361- 382
230	BL00460	Glutathione peroxidases selenocysteine proteins.	BL00460A 28.67 8.773e- 20 35-70 BL00460B 9.73 7.429e-16 78-96 BL00460C 14.35 2.831e- 12 111-134 BL00460D 16.89 8.773e-11 140- 160
231	PR00647	SENR ORPHAN RECEPTOR SIGNATURE	PR00647B 10.19 8.522e- 09 273-287
233	ВЬ00292	Cyclins proteins.	BL00292B 20.31 7.429e- 27 244-275 BL00292A 22.87 7.750e-27 201- 235
234	PR00449	TRANSFORMING PROTEIN P21 RAS SIGNATURE	PR00449A 13.20 6.308e- 13 7-29 PR00449C